

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060894.D
 Acq On : 8 Apr 2020 12:38
 Operator : JC/MD
 Sample : VN0408WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Manual Integrations
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 4/9/2020 12:29:39 PM

Quant Time: Apr 09 08:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119612	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	89282	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.08	98	351295	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	127832	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28933	17.129	ug/l	99
3) Chloromethane	2.04	50	51754	16.406	ug/l	100
4) Vinyl Chloride	2.17	62	41858	16.964	ug/l	97
5) Bromomethane	2.55	94	22911	21.510	ug/l	99
6) Chloroethane	2.69	64	27022	19.011	ug/l	99
7) Trichlorofluoromethane	3.00	101	58056	19.100	ug/l	97
8) Diethyl Ether	3.38	74	25961	21.261	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35792	20.322	ug/l	100
10) Methyl Iodide	3.93	142	29949	19.110	ug/l	99
11) Tert butyl alcohol	4.72	59	38670	109.722	ug/l	97
12) 1,1-Dichloroethene	3.72	96	35226	18.638	ug/l	100
13) Acrolein	3.58	56	22435	57.437	ug/l	99
14) Allyl chloride	4.29	41	65661	19.753	ug/l	99
15) Acrylonitrile	4.94	53	106883	103.132	ug/l	99
16) Acetone	3.78	43	91532	107.830	ug/l	100
17) Carbon Disulfide	4.03	76	98888	17.204	ug/l	100
18) Methyl Acetate	4.28	43	53117	22.231	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	134498	20.698	ug/l	96
20) Methylene Chloride	4.52	84	41540	19.893	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	38195	18.962	ug/l	98
22) Diisopropyl ether	5.91	45	153372	21.839	ug/l	98
23) Vinyl Acetate	5.86	43	605434	105.659	ug/l	99
24) 1,1-Dichloroethane	5.81	63	79131	20.669	ug/l	100
25) 2-Butanone	6.80	43	144675	105.326	ug/l	96
26) 2,2-Dichloropropane	6.80	77	65672	21.802	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45795	20.006	ug/l	98
28) Bromochloromethane	7.17	49	38717	21.137	ug/l	99
29) Tetrahydrofuran	7.18	42	98917	101.780	ug/l	99
30) Chloroform	7.34	83	74991	20.432	ug/l	100
31) Cyclohexane	7.63	56	71863	18.619	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	62787	19.844	ug/l	98
36) 1,1-Dichloropropene	7.77	75	56198	20.291	ug/l	100
37) Ethyl Acetate	6.89	43	60768	20.306	ug/l	98
38) Carbon Tetrachloride	7.75	117	48902	19.701	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66917	20.332	ug/l	97
40) Benzene	8.02	78	173304	20.729	ug/l	100
41) Methacrylonitrile	7.14	41	25974m	20.338	ug/l	
42) 1,2-Dichloroethane	8.10	62	60887	21.310	ug/l	99
43) Isopropyl Acetate	8.14	43	105910	21.460	ug/l	100
44) Trichloroethene	8.81	130	43301	20.545	ug/l	99
45) 1,2-Dichloropropane	9.10	63	48714	22.082	ug/l	97
46) Dibromomethane	9.19	93	28773	21.574	ug/l	99
47) Bromodichloromethane	9.38	83	58993	21.286	ug/l	97
48) Methyl methacrylate	9.18	41	44821	20.398	ug/l	97
49) 1,4-Dioxane	9.18	88	12536	479.975	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	303922	108.218	ug/l	99
52) Toluene	10.14	92	103340	20.466	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	69645	21.877	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	74466	21.322	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41439	21.333	ug/l	97
56) Ethyl methacrylate	10.42	69	63512	20.969	ug/l	97
57) 1,3-Dichloropropane	10.70	76	73484	21.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	140175	93.117	ug/l	100
59) 2-Hexanone	10.74	43	212017	104.801	ug/l	100
60) Dibromochloromethane	10.89	129	42618	21.240	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41016	20.998	ug/l	100
64) Tetrachloroethene	10.62	164	40085	19.560	ug/l	99
65) Chlorobenzene	11.43	112	106134	20.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40236	21.526	ug/l	97
67) Ethyl Benzene	11.50	91	199632	20.793	ug/l	98
68) m/p-Xylenes	11.61	106	145328	40.735	ug/l	99
69) o-Xylene	11.94	106	69527	20.414	ug/l	98
70) Styrene	11.96	104	111743	20.061	ug/l	99
71) Bromoform	12.12	173	29712	20.163	ug/l #	100
73) Isopropylbenzene	12.25	105	186847	20.270	ug/l	100
74) N-amyl acetate	12.06	43	84327	19.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59101	21.202	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	50261m	18.964	ug/l	
77) Bromobenzene	12.52	156	44662	20.108	ug/l	99
78) n-propylbenzene	12.59	91	221353	20.326	ug/l	99
79) 2-Chlorotoluene	12.67	91	130386	20.038	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	158227	20.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20573	19.936	ug/l	98
82) 4-Chlorotoluene	12.77	91	134730	20.330	ug/l	100
83) tert-Butylbenzene	12.99	119	133721	20.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	157581	20.362	ug/l	100
85) sec-Butylbenzene	13.17	105	181944	20.866	ug/l	100
86) p-Isopropyltoluene	13.28	119	161715	20.624	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	80289	20.495	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79643	20.235	ug/l	99
89) n-Butylbenzene	13.61	91	145999	20.623	ug/l	100
90) Hexachloroethane	13.87	117	25355	22.246	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78252	20.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11043	18.746	ug/l	97

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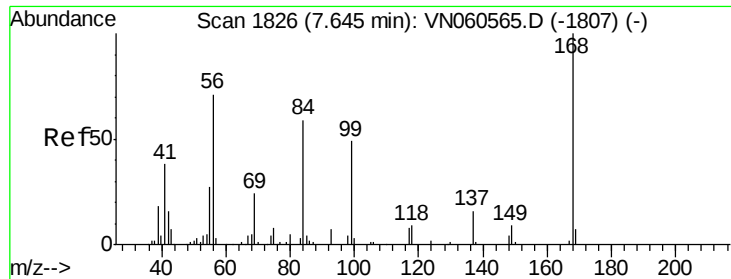
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47013	20.438	ug/l	99
94) Hexachlorobutadiene	15.01	225	25377	22.504	ug/l	99
95) Naphthalene	15.13	128	135132	19.531	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47632	21.023	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

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Acq: 8 Apr 2020 12:38

Instrument :

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ClientSampleId :

VN0408WBSD01

Tot Ion:168 Resp: 174567

Ion Ratio Lower Upper

168 100

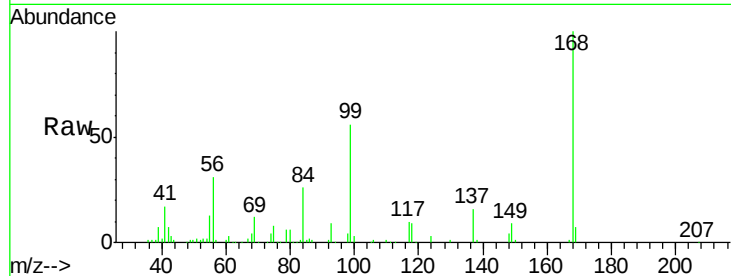
99 55.9 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

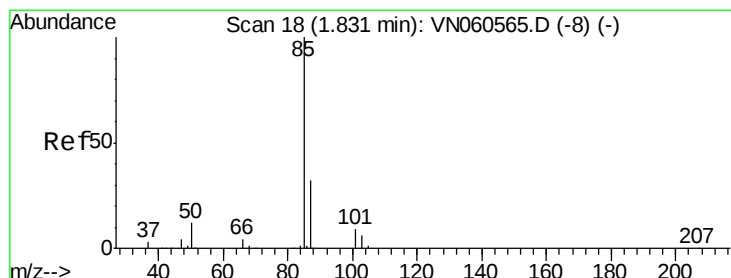
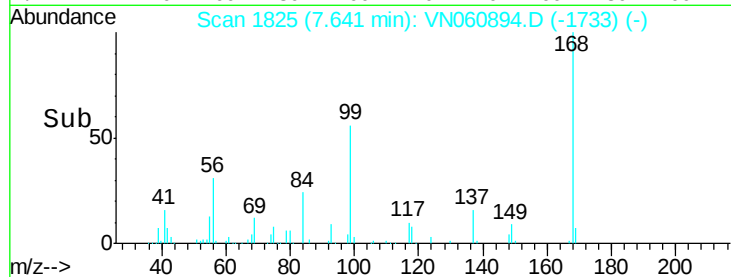
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.129 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060894.D

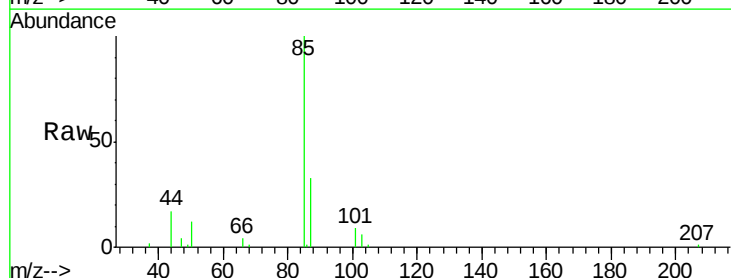
Acq: 8 Apr 2020 12:38

Tgt Ion: 85 Resp: 28933

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

25000

20000

15000

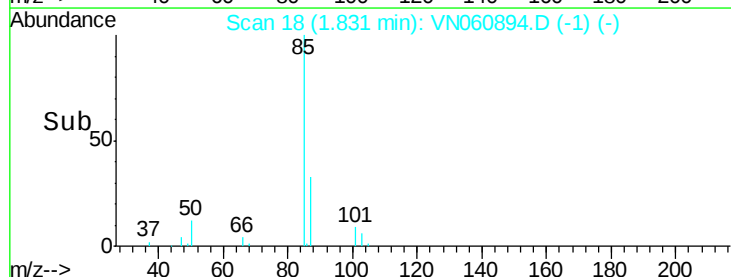
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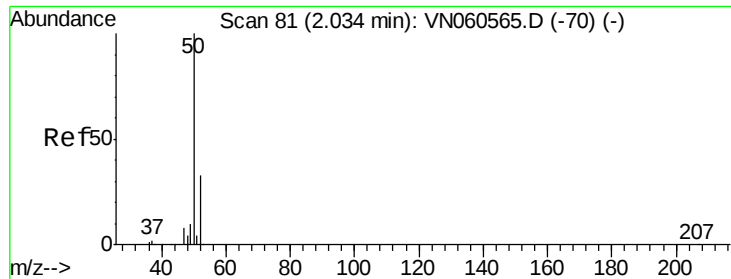
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.406 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 50 Resp: 51754

Ion Ratio Lower Upper

50 100

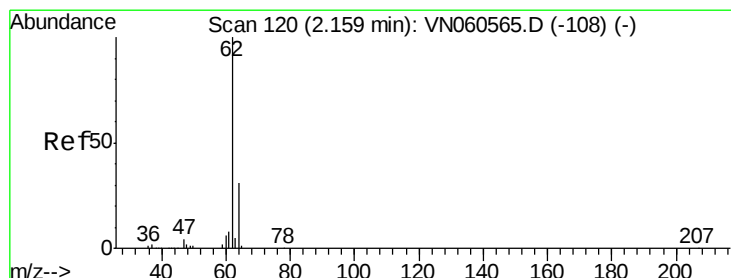
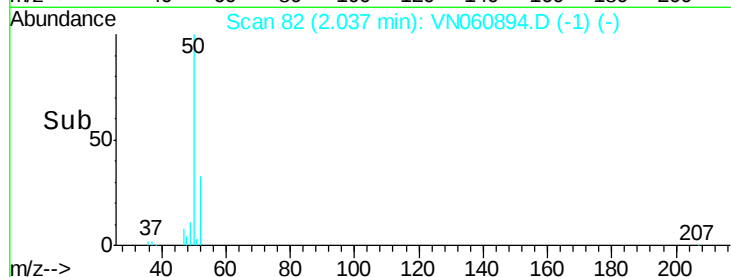
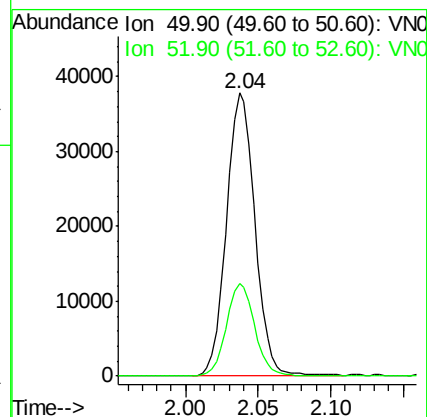
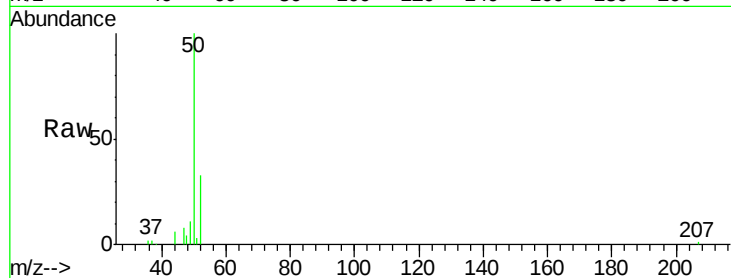
52 32.7 26.2 39.2

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#4

Vinyl Chloride

Concen: 16.964 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060894.D

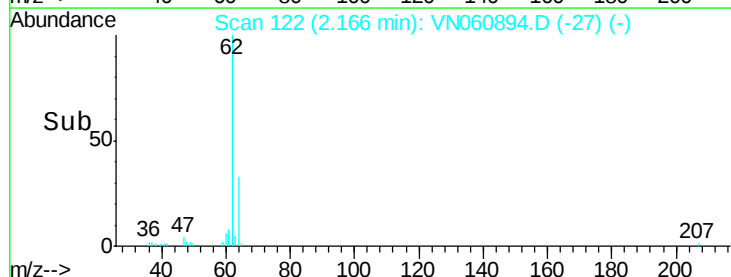
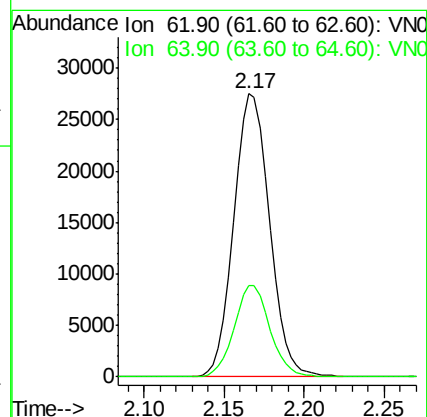
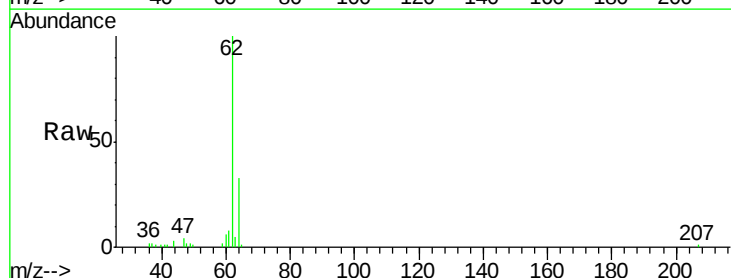
Acq: 8 Apr 2020 12:38

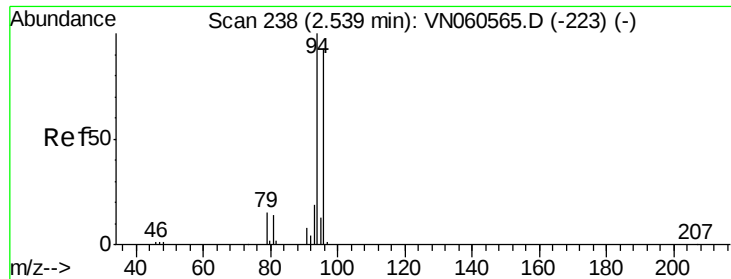
Tgt Ion: 62 Resp: 41858

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1





#5

Bromomethane

Concen: 21.510 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

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VN0408WBSD01

Tot Ion: 94 Resp: 22911

Ion Ratio Lower Upper

94 100

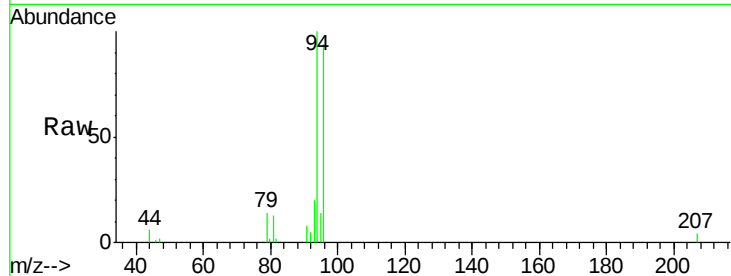
96 94.1 74.6 112.0

Manual Integrations

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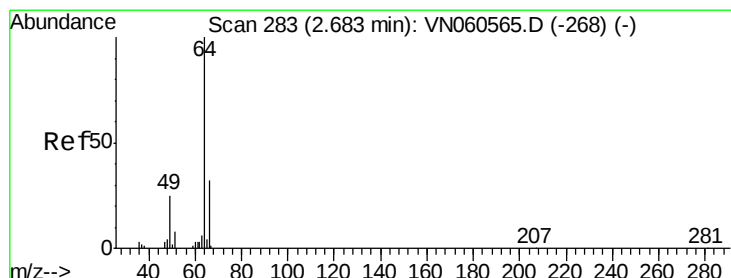
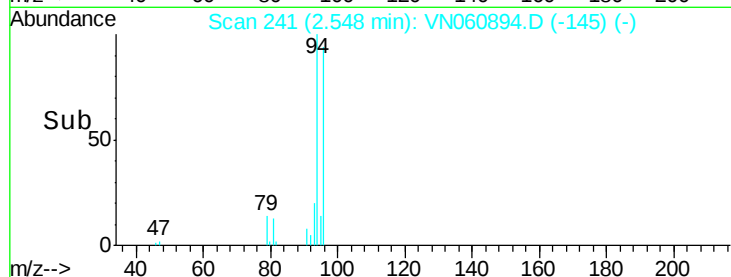
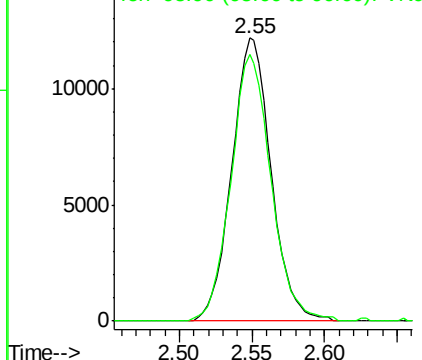
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.011 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060894.D

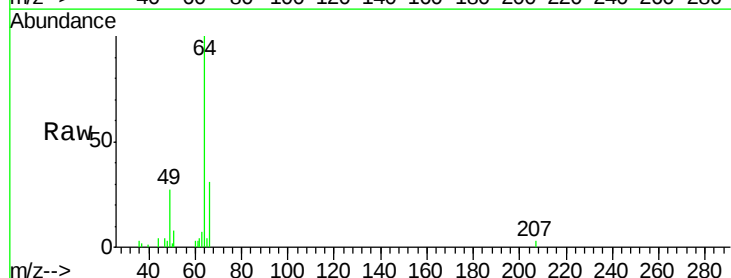
Acq: 8 Apr 2020 12:38

Tgt Ion: 64 Resp: 27022

Ion Ratio Lower Upper

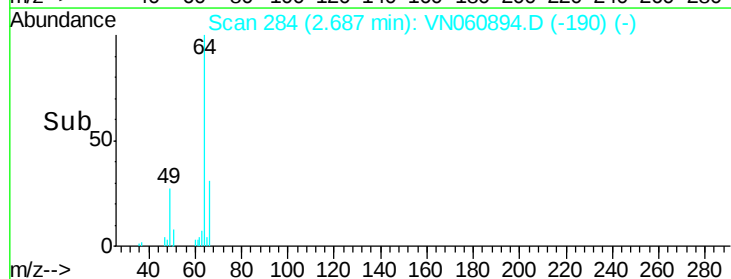
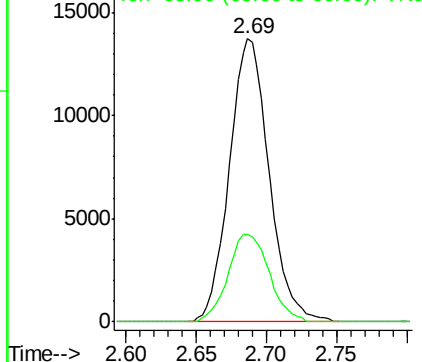
64 100

66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

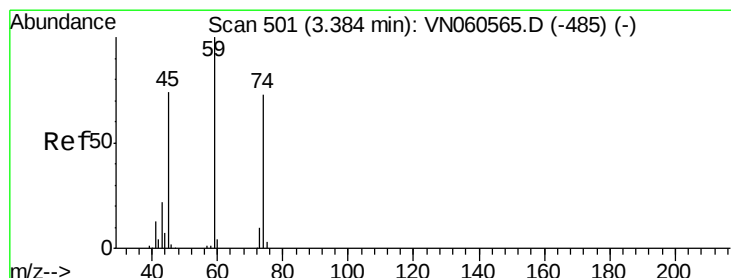
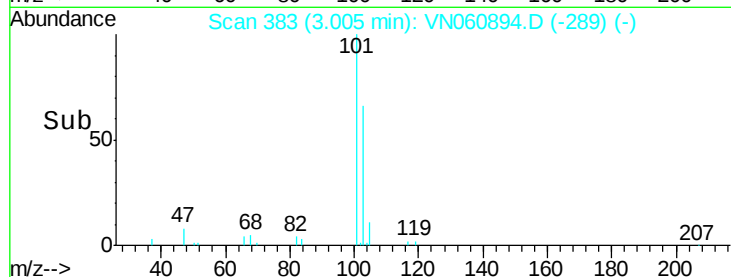
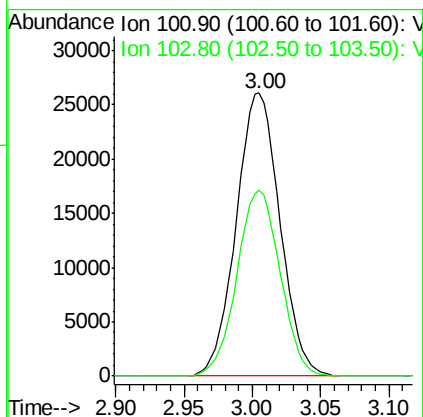
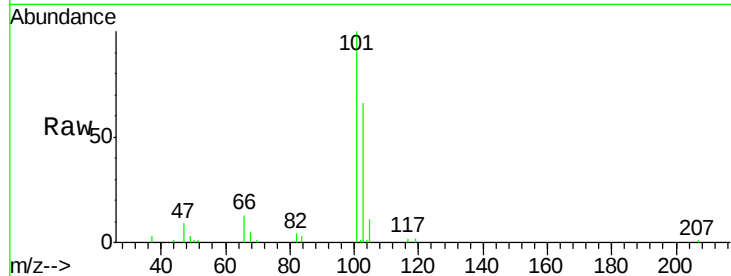
Trichlorofluoromethane
Concen: 19.100 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	58056		
103	65.8	50.6	76.0		

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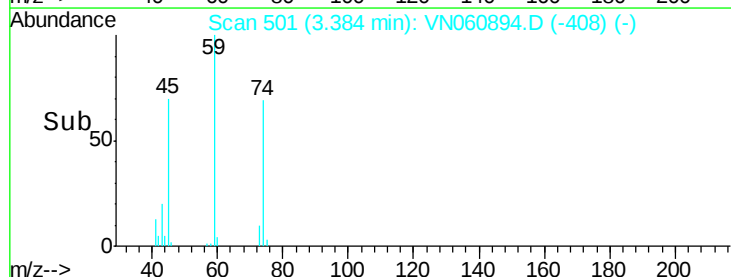
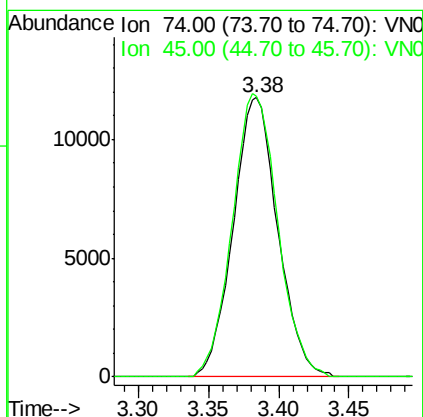
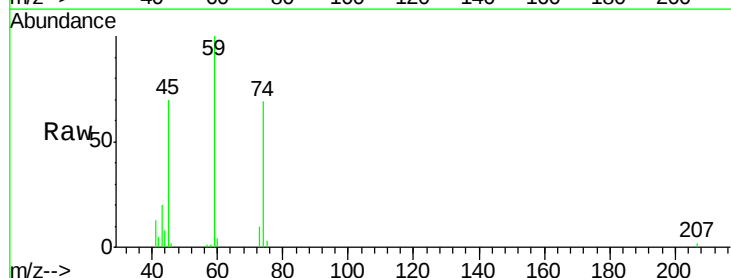
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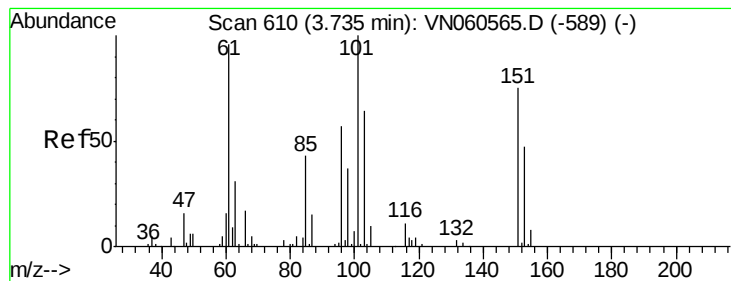


#8

Diethyl Ether
Concen: 21.261 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	25961		
45	103.6	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.322 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060894.D

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MSVOA_N

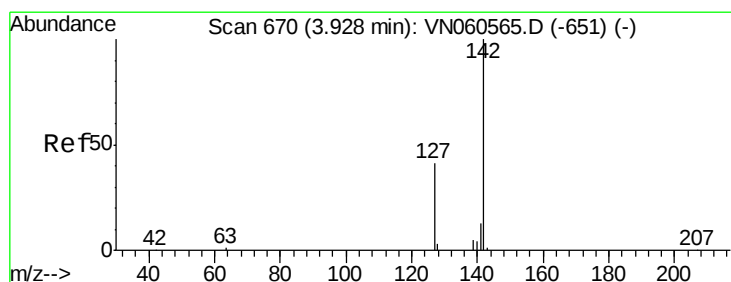
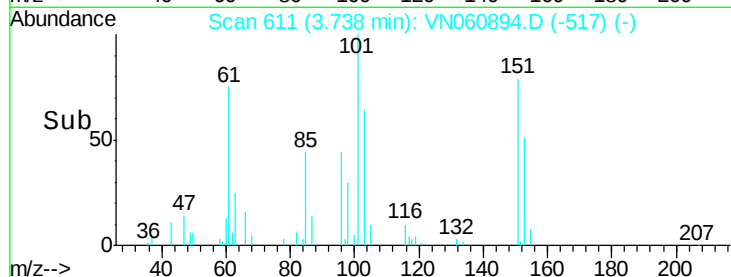
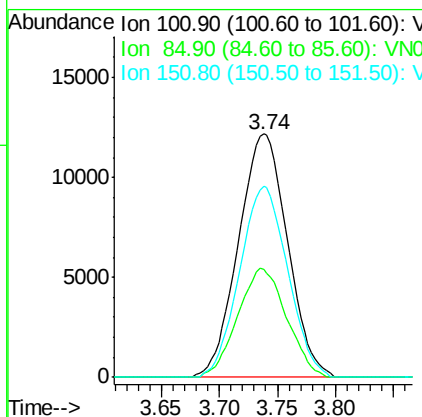
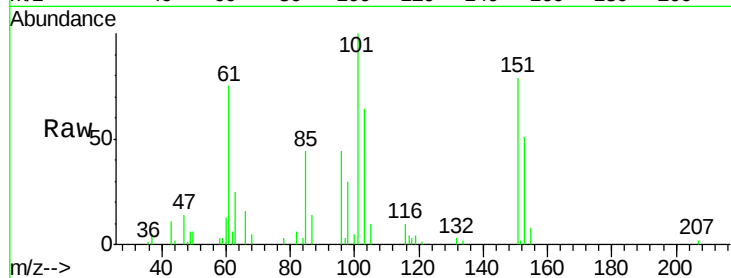
ClientSampleId :

VN0408WBSD01

Tot Ion:	101	Resp:	35792
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.6	53.4
151	76.9	61.4	92.2

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#10

Methyl Iodide

Concen: 19.110 ug/l

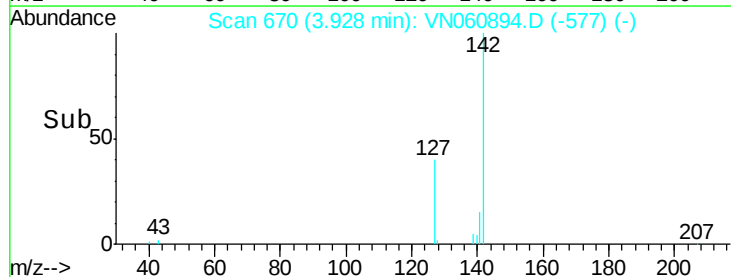
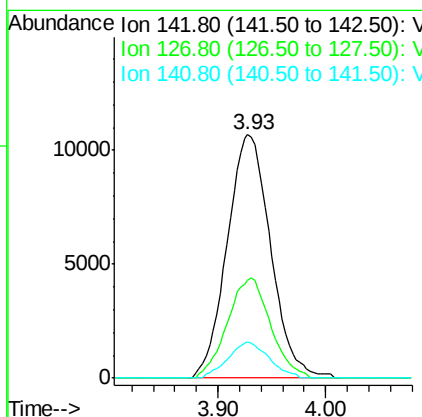
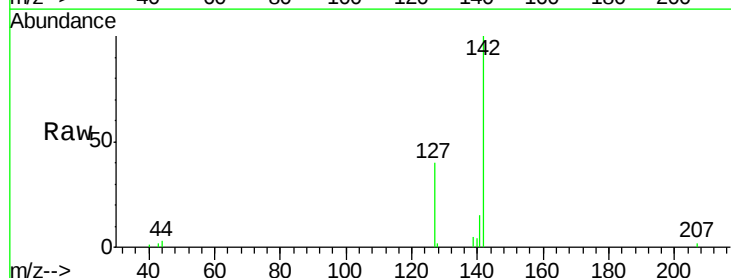
RT: 3.93 min Scan# 670

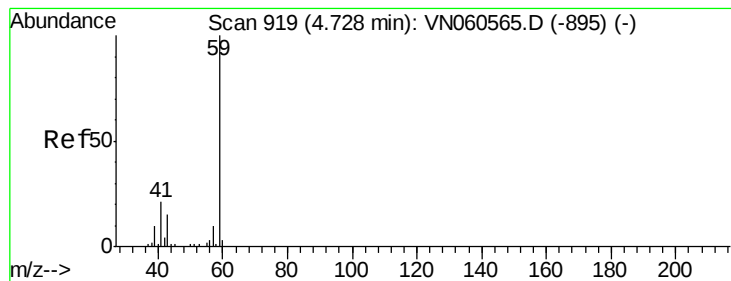
Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion:	142	Resp:	29949
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.5	50.3
141	13.9	11.0	16.6





#11

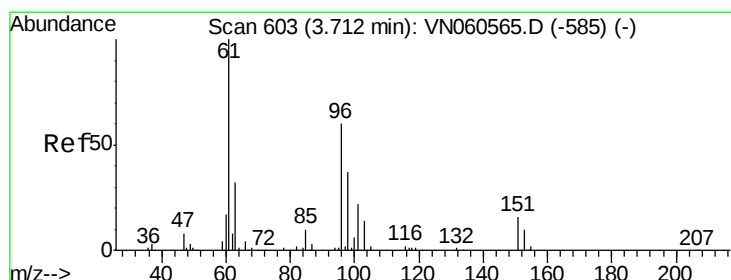
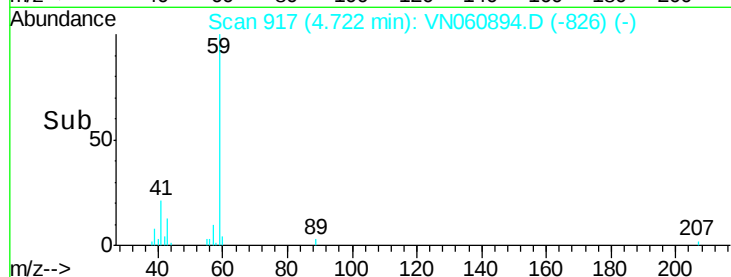
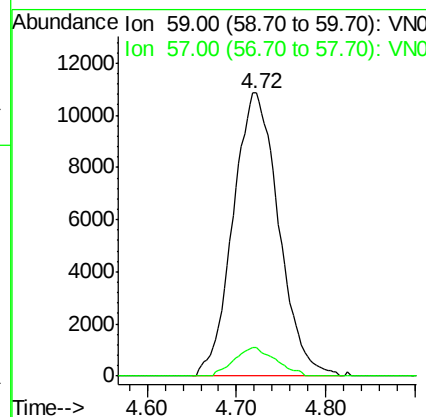
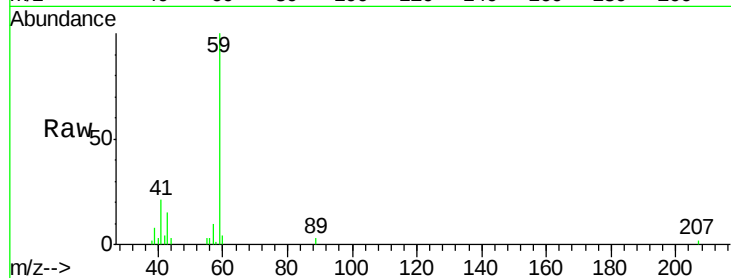
Tert butyl alcohol
Concen: 109.722 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.4

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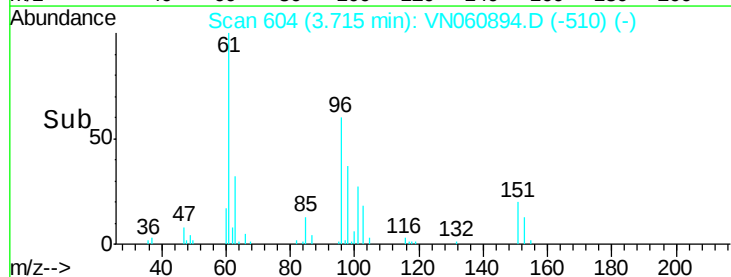
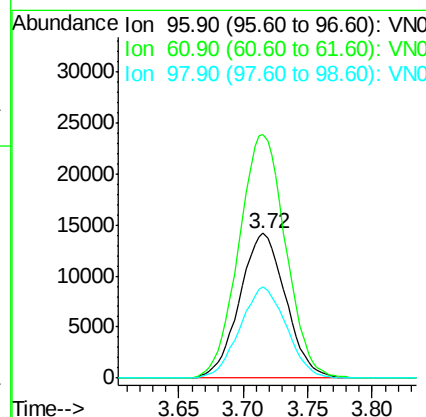
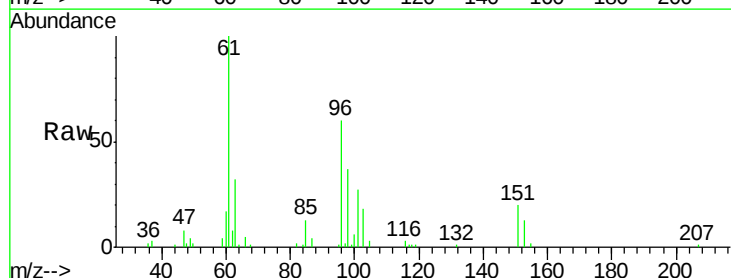
apatel
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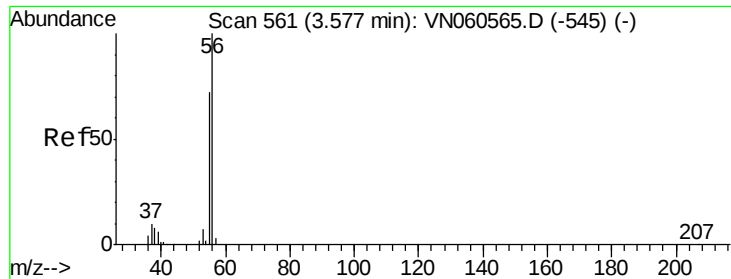


#12

1,1-Dichloroethene
Concen: 18.638 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.1	201.1
98	62.8	49.9	74.9





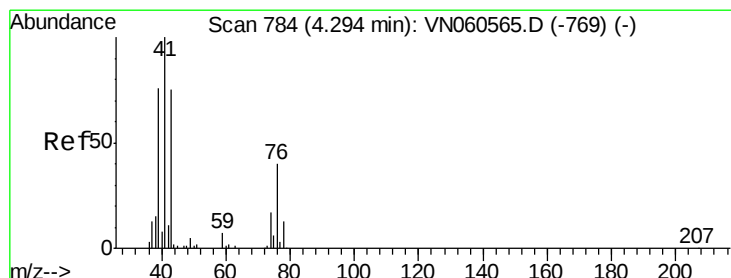
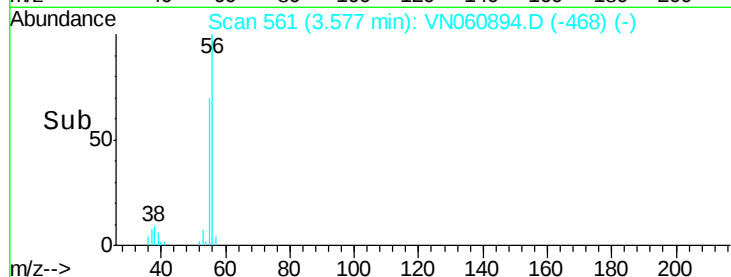
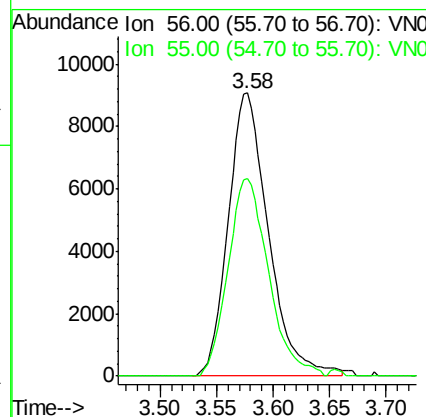
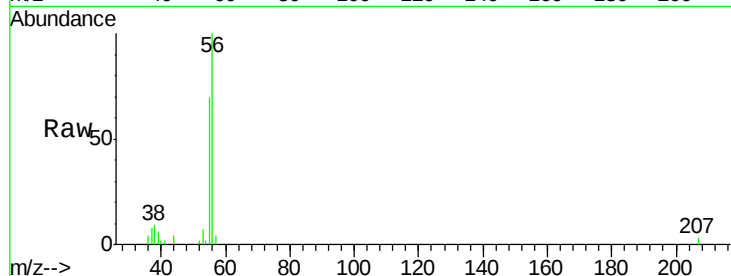
#13
Acrolein
Concen: 57.437 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion	56	Resp	22435
Ion Ratio	100	Lower	Upper
56	100		
55	70.1	56.7	85.1

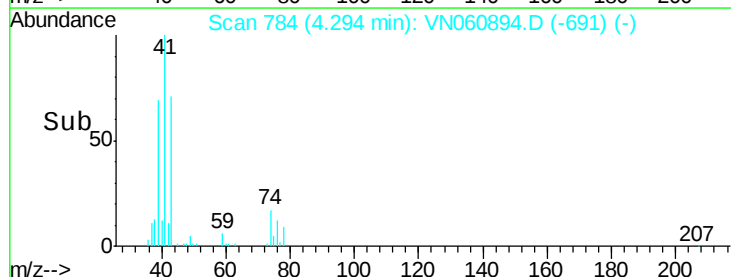
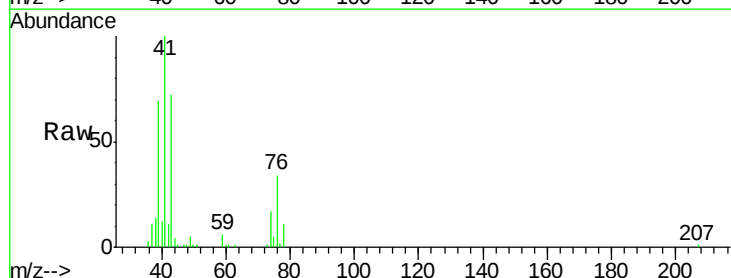
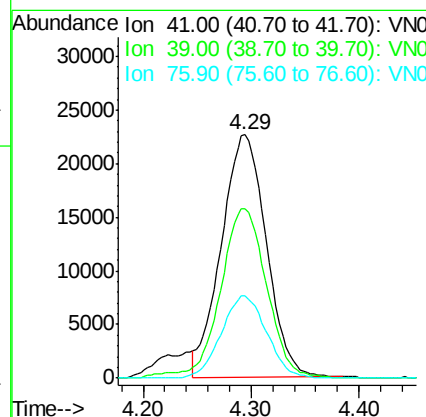
Manual Integrations
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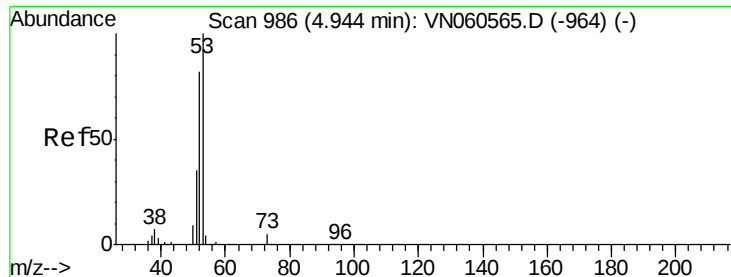
apatel
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#14
Allyl chloride
Concen: 19.753 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	41	Resp	65661
Ion Ratio	100	Lower	Upper
41	100		
39	72.1	57.8	86.8
76	34.1	28.6	43.0





#15

Acrylonitrile

Concen: 103.132 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

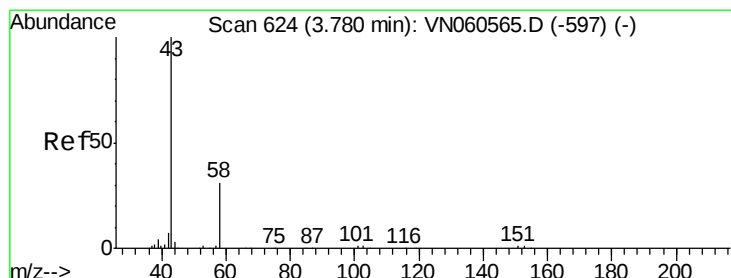
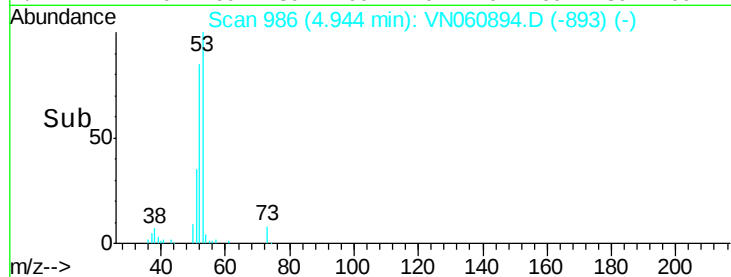
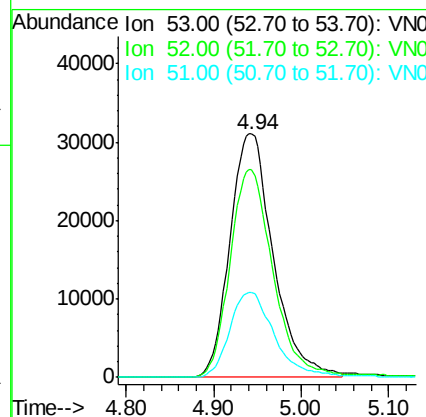
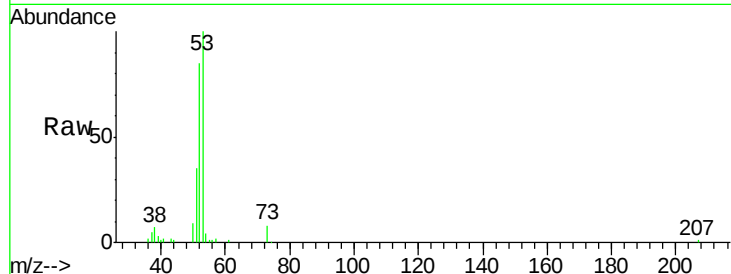
ClientSampleId :

VN0408WBSD01

Tot Ion:	53	Resp:	106883
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.2	99.4
51	35.9	28.7	43.1

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#16

Acetone

Concen: 107.830 ug/l

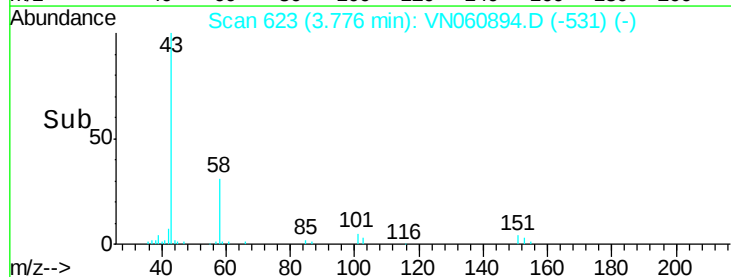
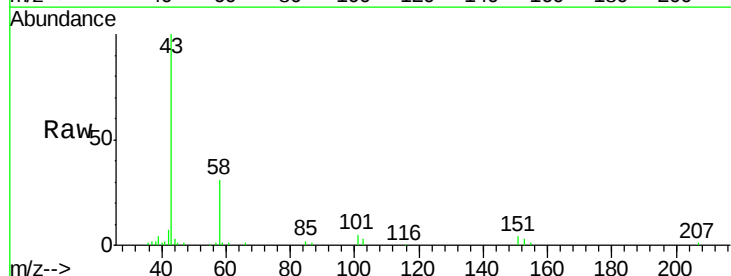
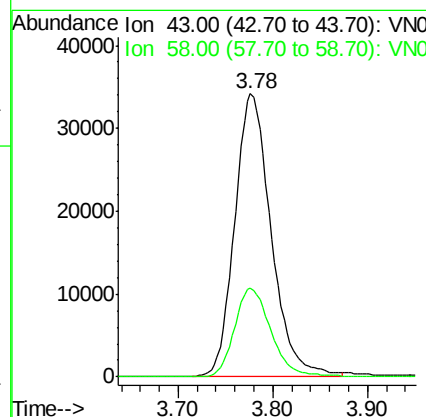
RT: 3.78 min Scan# 623

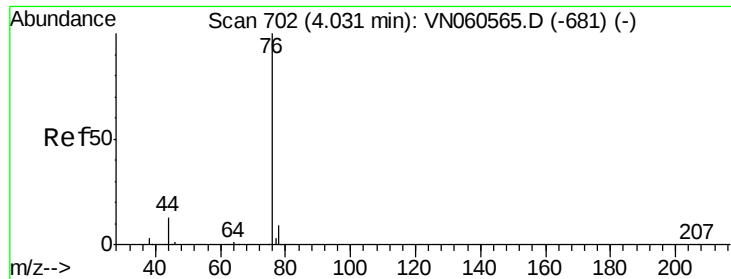
Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion:	43	Resp:	91532
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 17.204 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion: 76 Resp: 98888

Ion Ratio Lower Upper

76 100

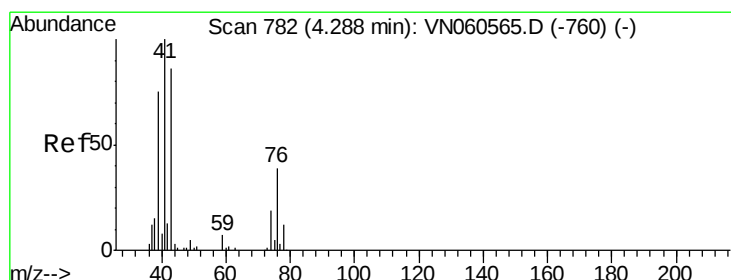
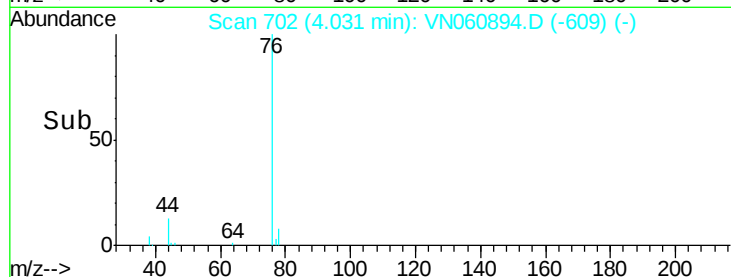
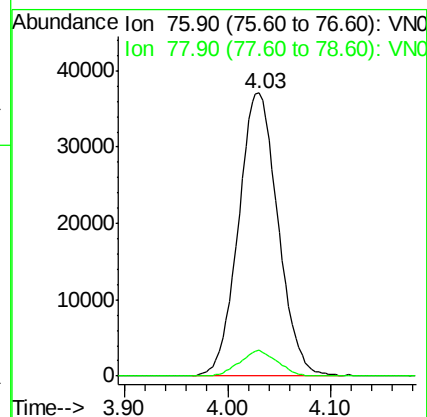
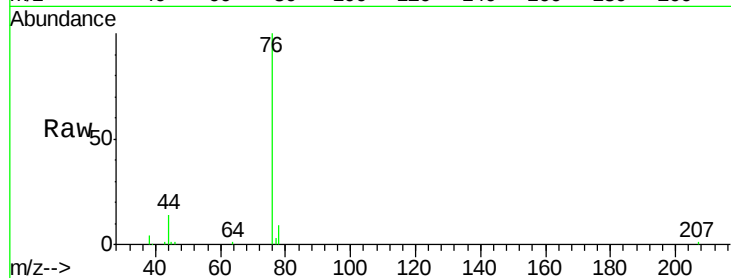
78 9.0 7.2 10.8

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#18

Methyl Acetate

Concen: 22.231 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060894.D

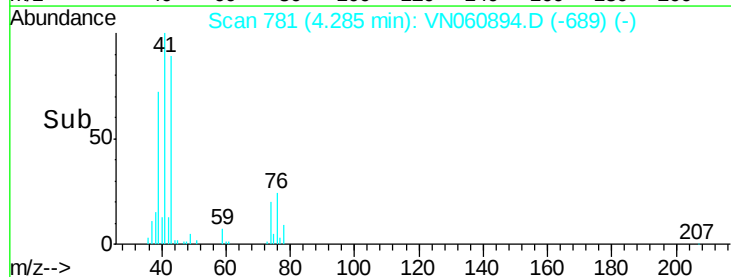
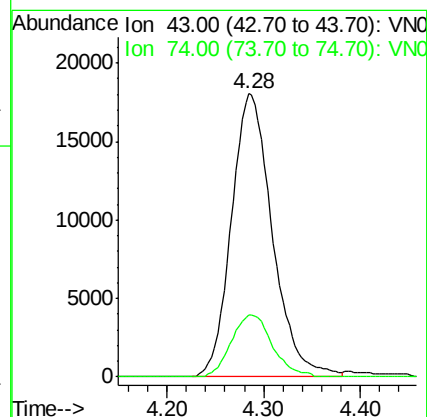
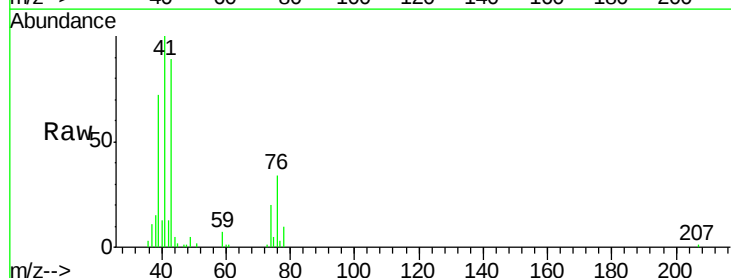
Acq: 8 Apr 2020 12:38

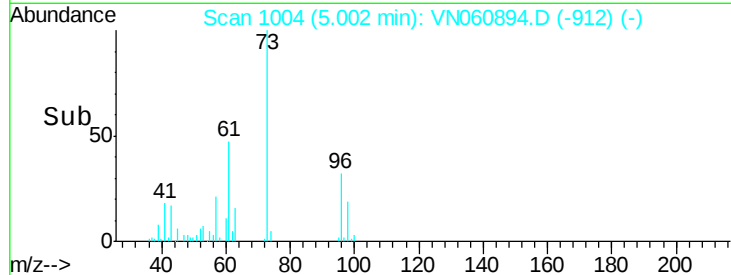
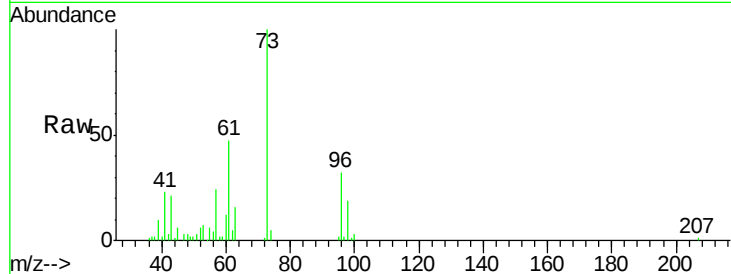
Tgt Ion: 43 Resp: 53117

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3





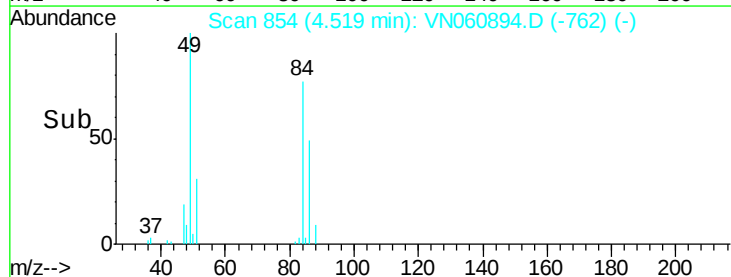
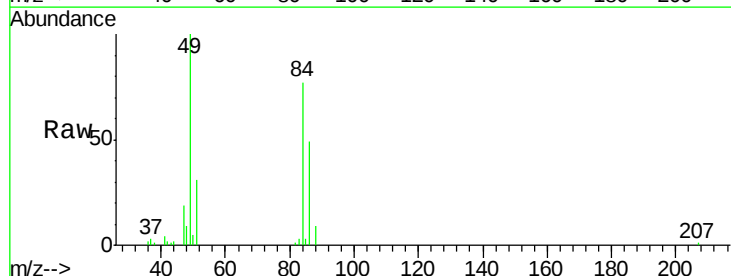
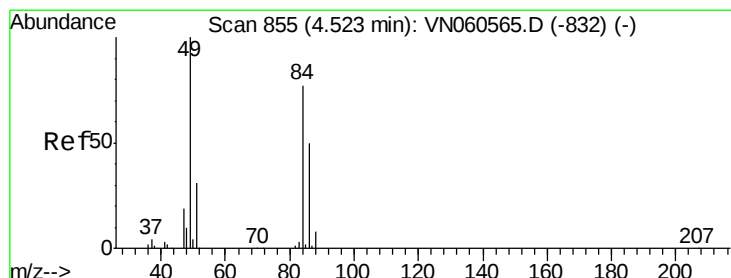
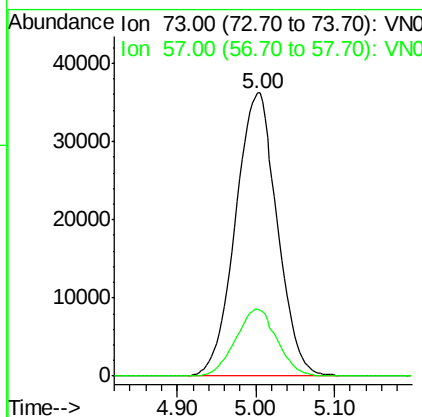
#19
Methyl tert-butyl Ether
Concen: 20.698 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tot Ion: 73 Resp: 134498
Ion Ratio Lower Upper
73 100
57 23.7 17.5 26.3

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

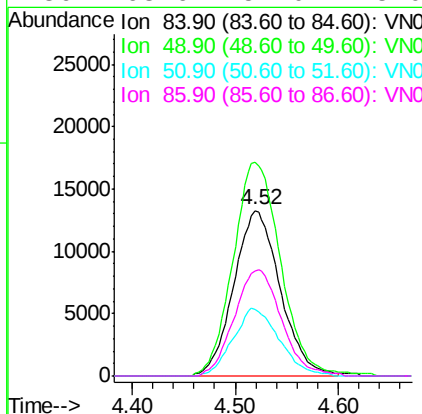
Manual Integrations
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#20
Methylene Chloride
Concen: 19.893 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion: 84 Resp: 41540
Ion Ratio Lower Upper
84 100
49 129.2 103.3 154.9
51 40.5 31.6 47.4
86 63.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.962 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 96 Resp: 38195

Ion Ratio Lower Upper

96 100

61 146.7 114.4 171.6

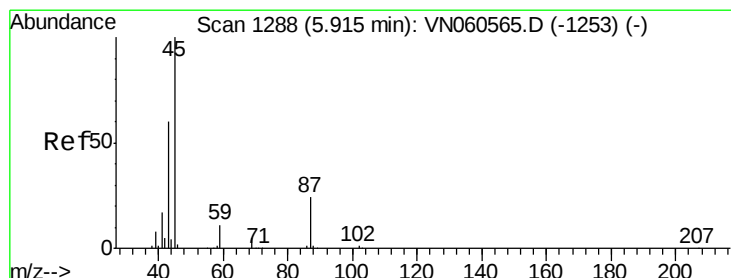
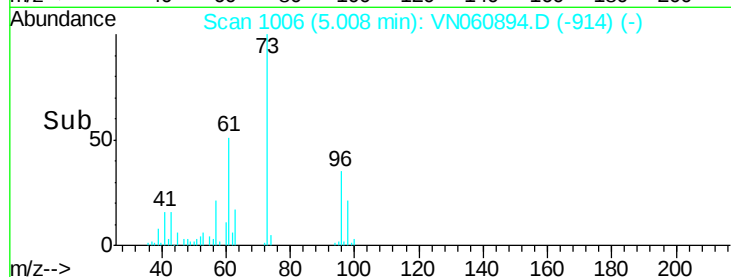
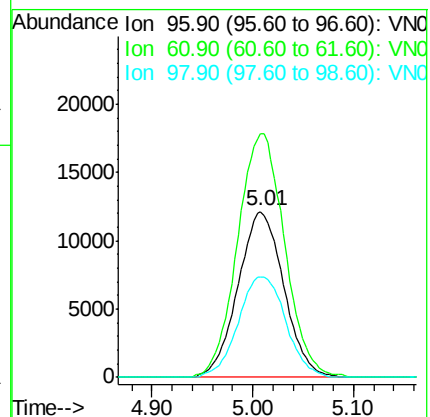
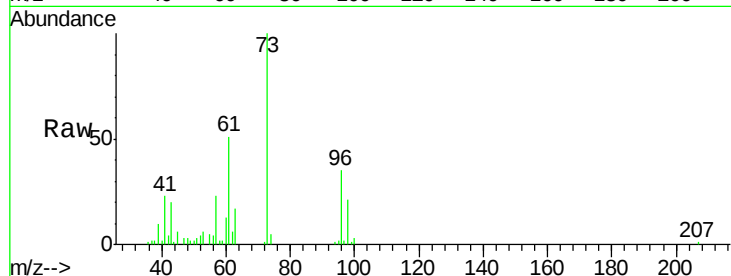
98 60.8 48.4 72.6

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#22

Diisopropyl ether

Concen: 21.839 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion: 45 Resp: 153372

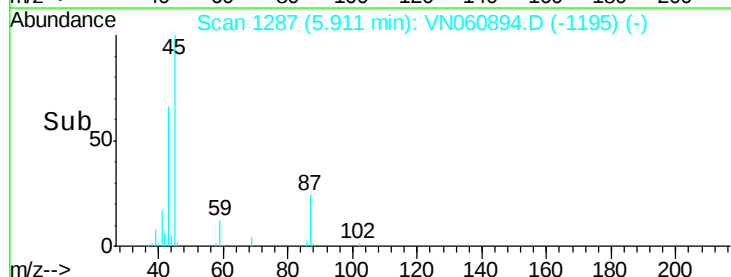
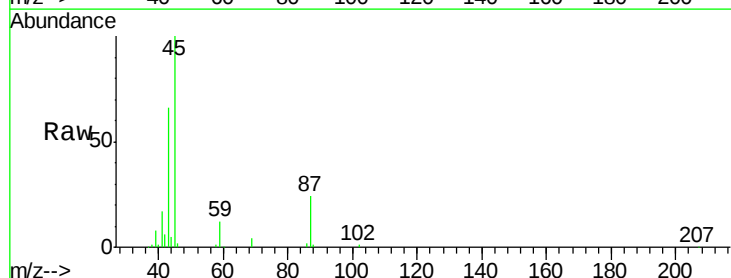
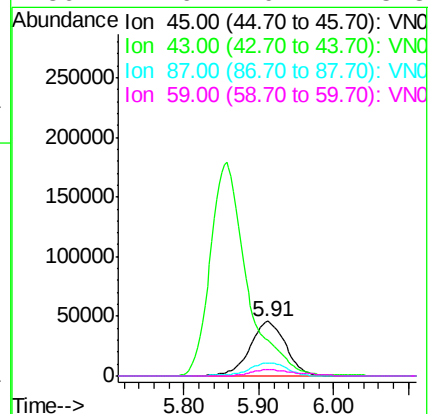
Ion Ratio Lower Upper

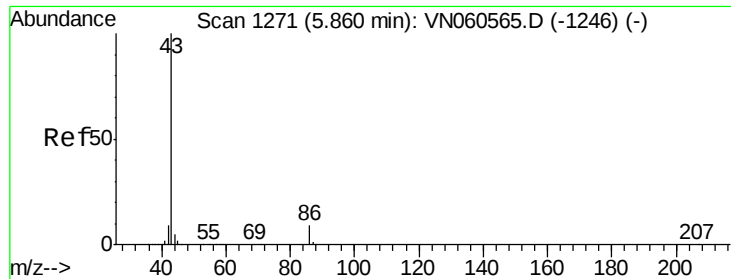
45 100

43 64.0 49.8 74.8

87 24.1 20.1 30.1

59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 105.659 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 43 Resp: 605434

Ion Ratio Lower Upper

43 100

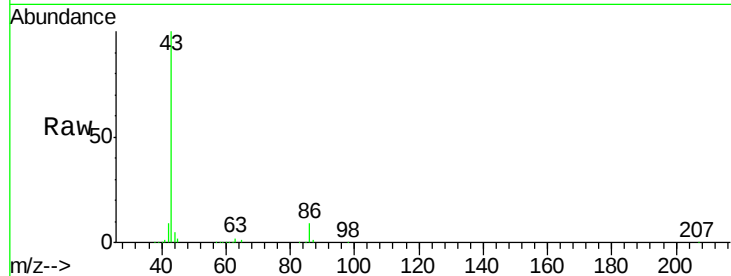
86 9.1 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

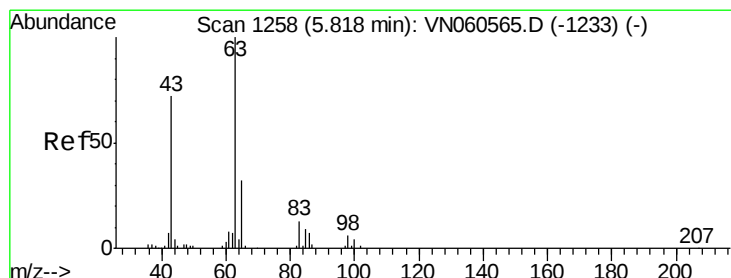
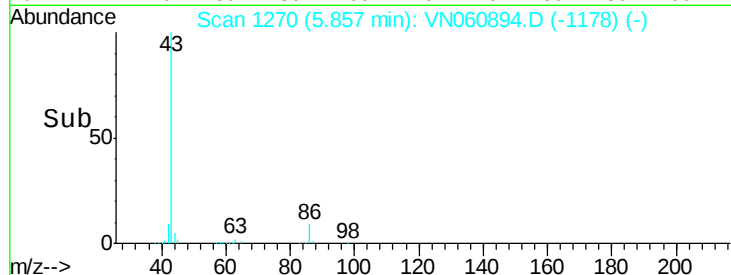
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.669 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

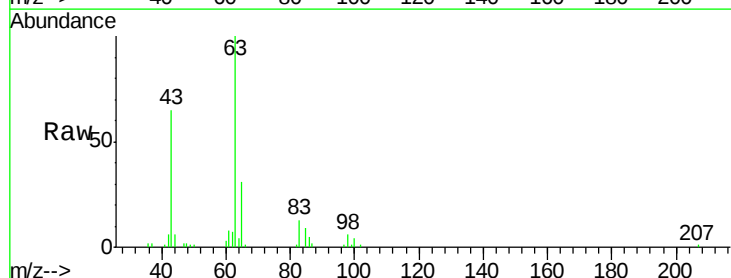
Tgt Ion: 63 Resp: 79131

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.6 1.8 5.5



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

5.81

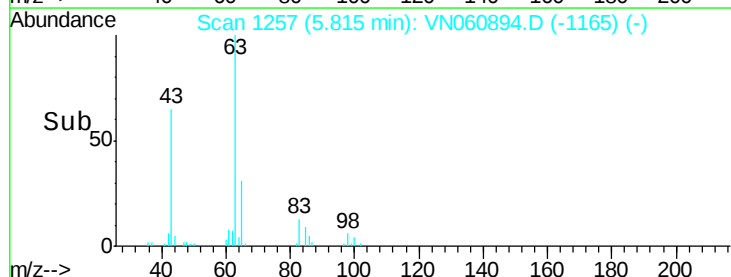
30000

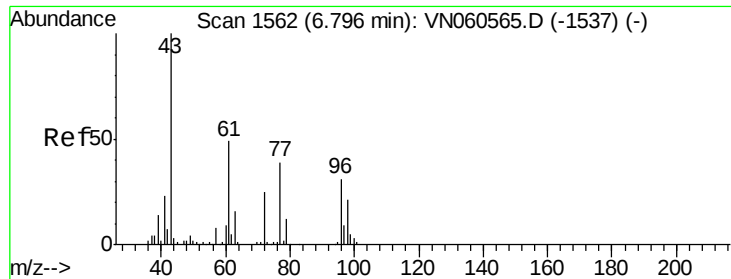
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.326 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 43 Resp: 144675

Ion Ratio Lower Upper

43 100

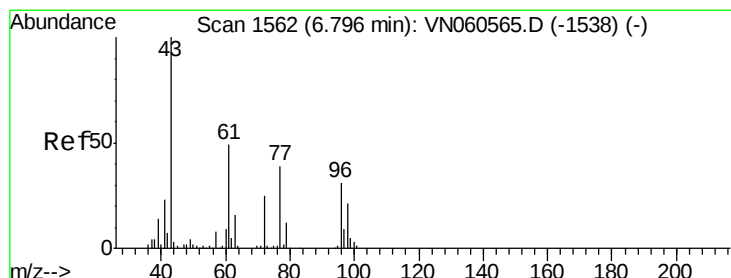
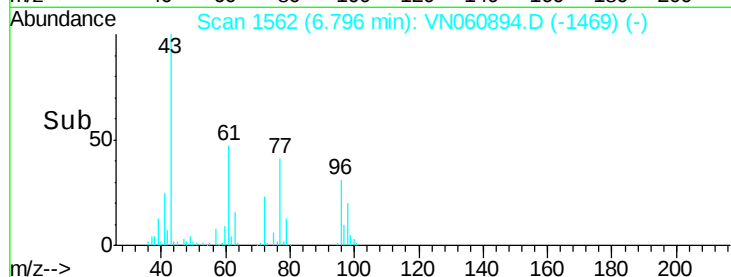
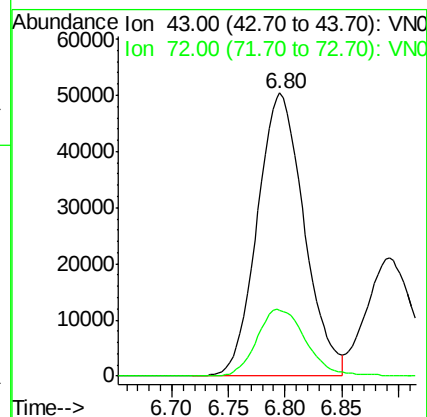
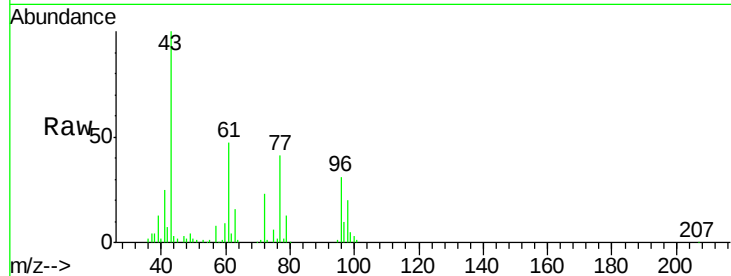
72 23.3 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.802 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060894.D

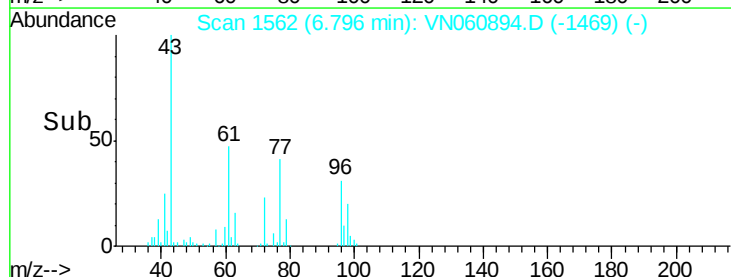
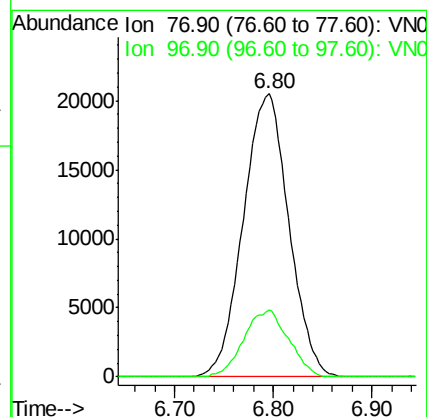
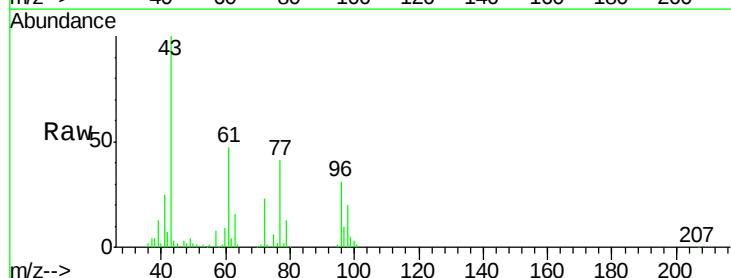
Acq: 8 Apr 2020 12:38

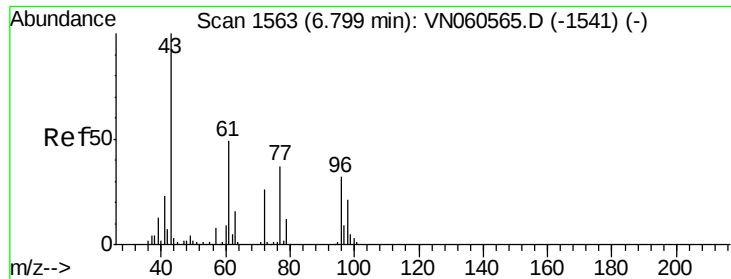
Tgt Ion: 77 Resp: 65672

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





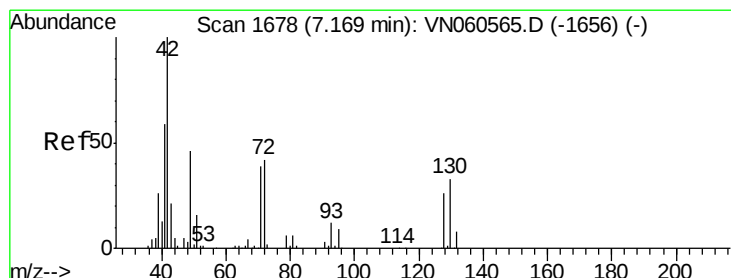
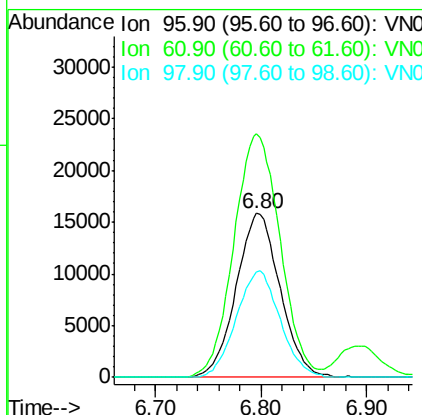
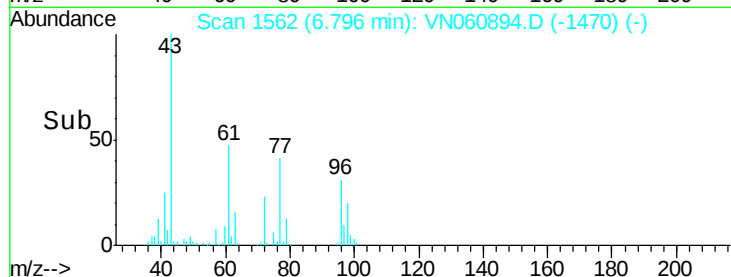
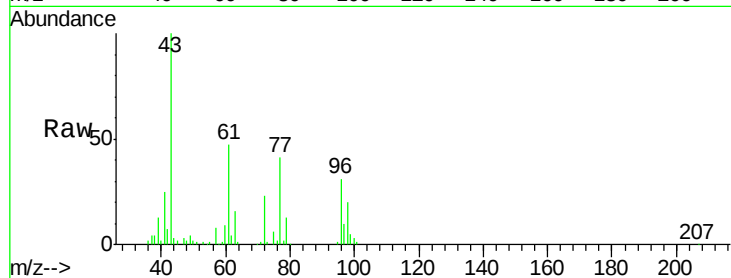
#27
 cis-1,2-Dichloroethene
 Concen: 20.006 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	305.6
98	64.8	0.0	127.6

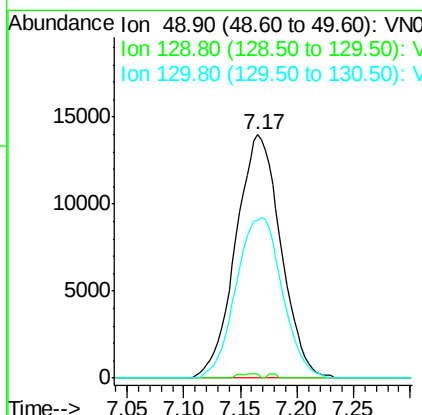
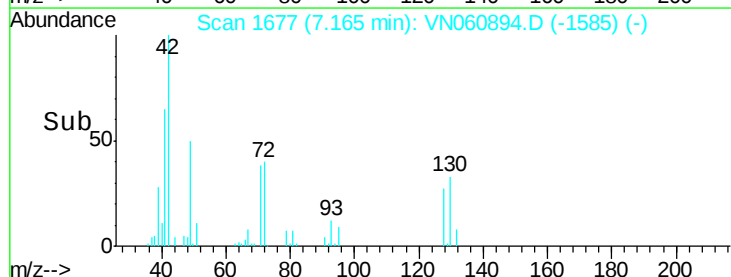
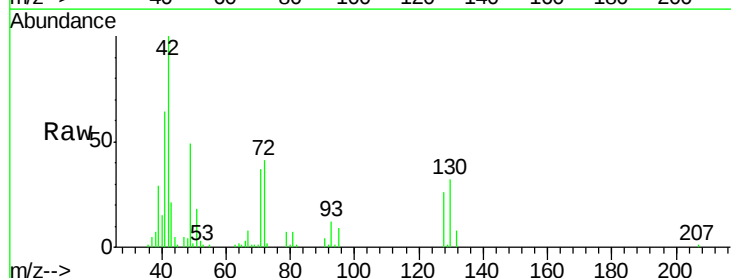
Manual Integrations
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#28
 Bromochloromethane
 Concen: 21.137 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	67.7	55.0	82.4





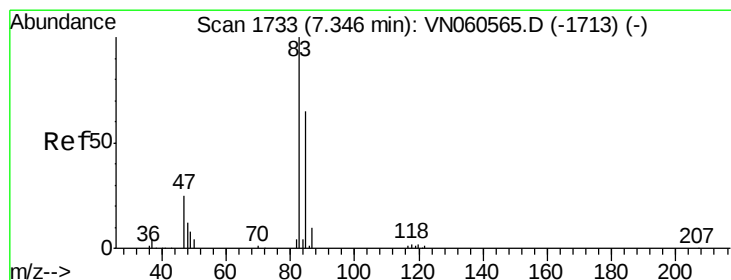
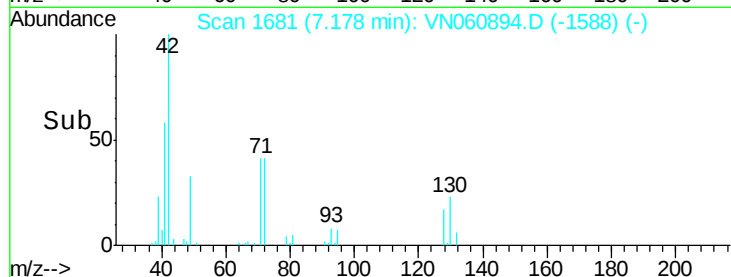
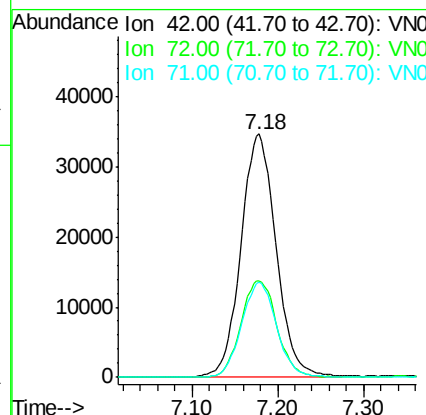
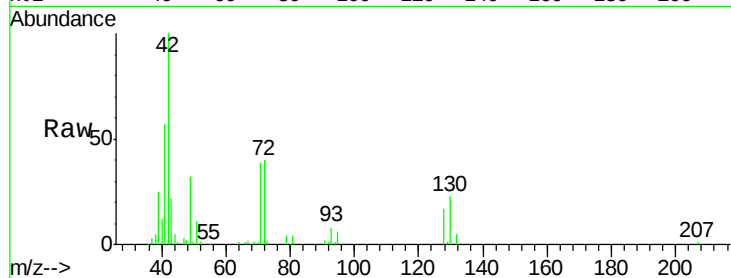
#29
Tetrahydrofuran
Concen: 101.780 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.2	49.8
71	38.6	31.1	46.7

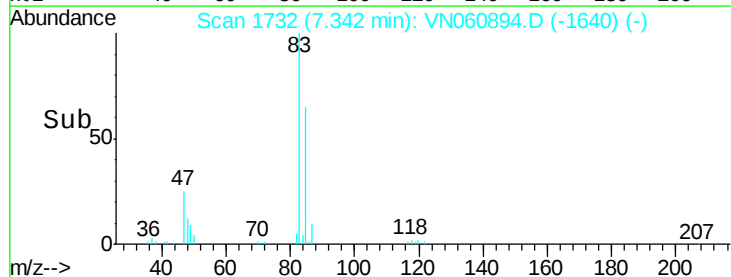
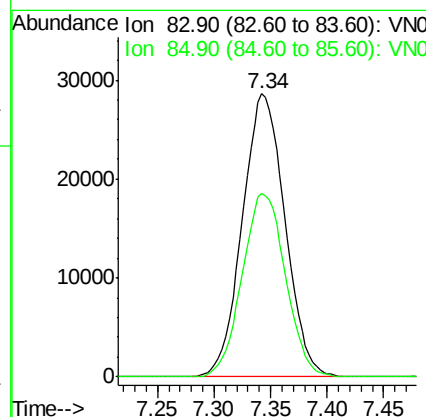
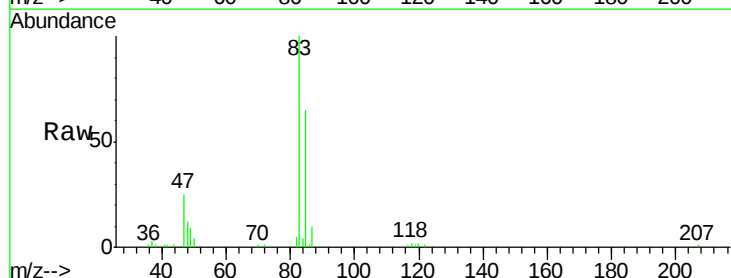
Manual Integrations
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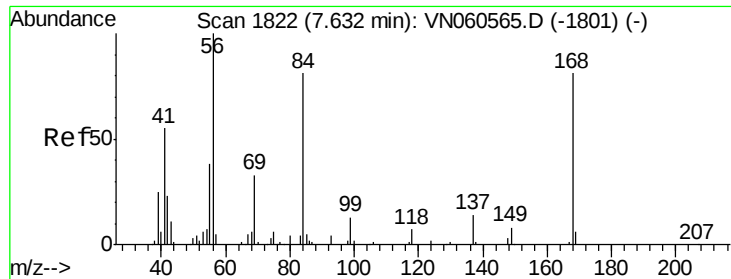
apatel
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#30
Chloroform
Concen: 20.432 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





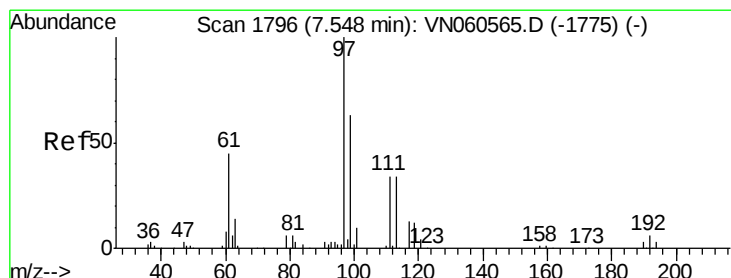
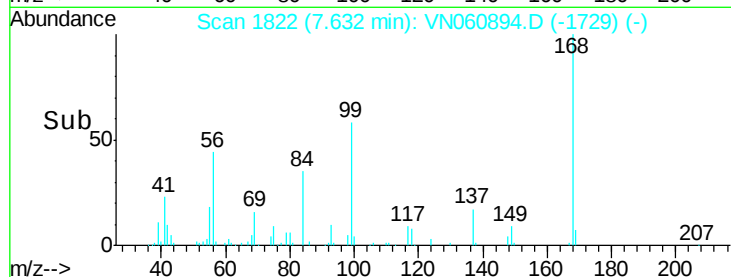
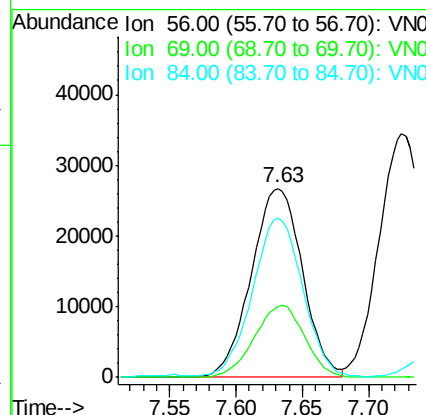
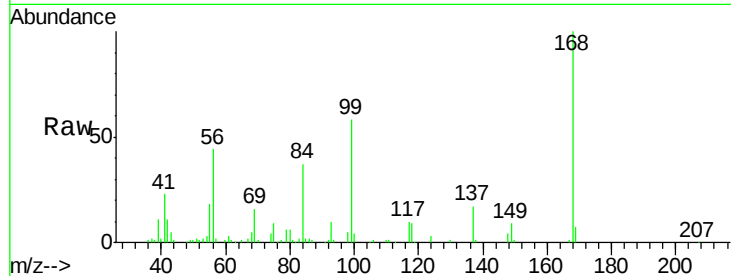
#31
Cvclohexane
Concen: 18.619 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.6	40.0
84	83.7	64.3	96.5

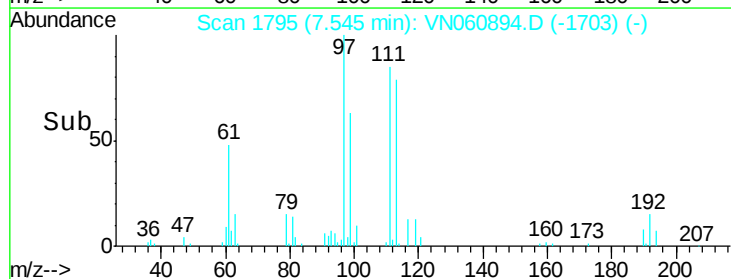
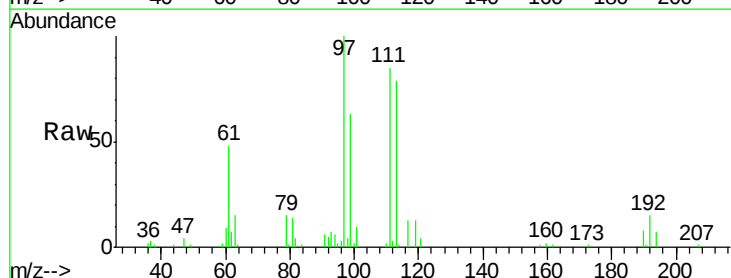
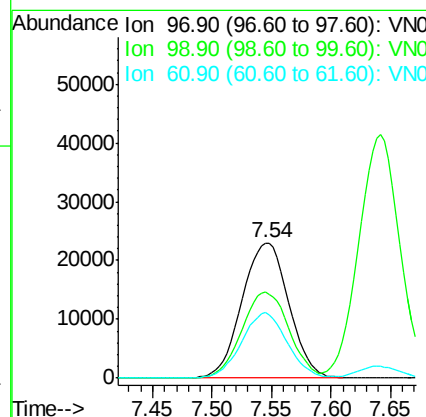
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#32
1,1,1-Trichloroethane
Concen: 19.844 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	75.8
61	46.8	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 49.913 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 65 Resp: 119612

Ion Ratio Lower Upper

65 100

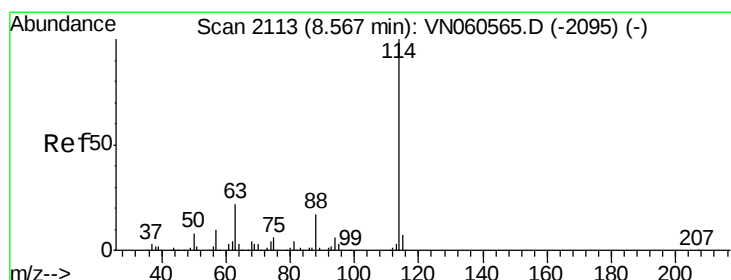
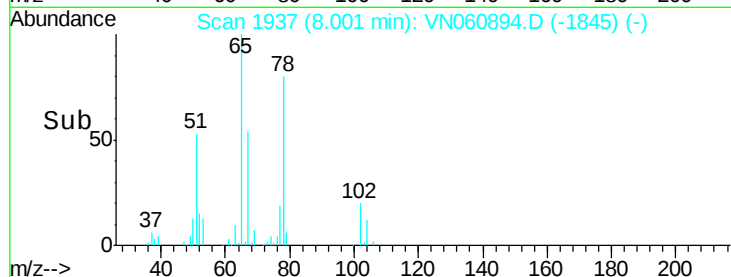
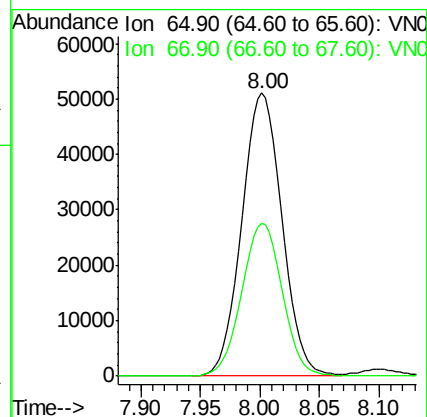
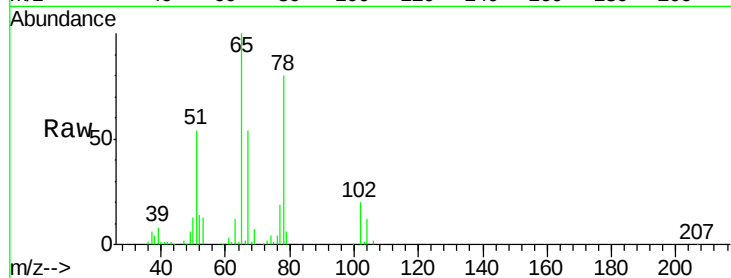
67 54.4 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

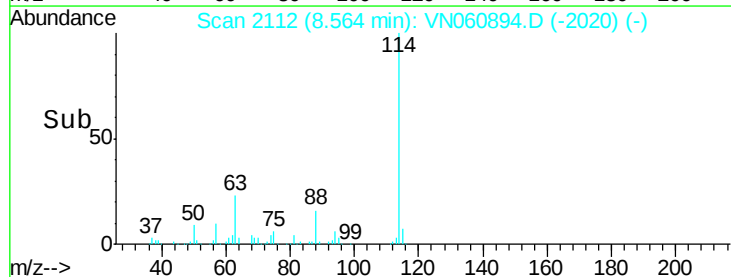
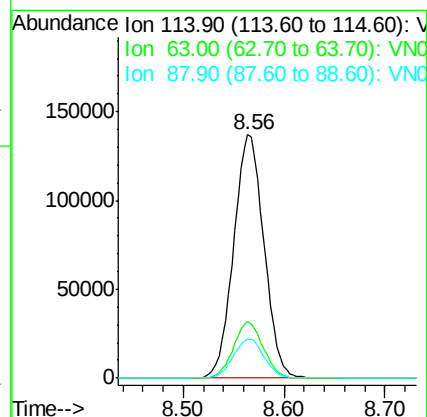
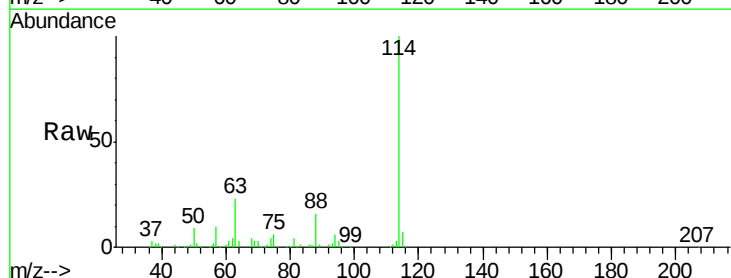
Tgt Ion: 114 Resp: 286020

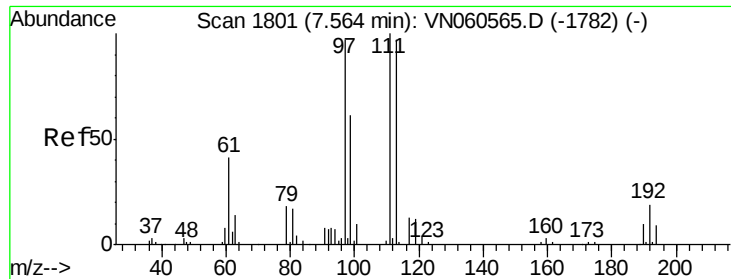
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.8

88 16.1 0.0 33.0





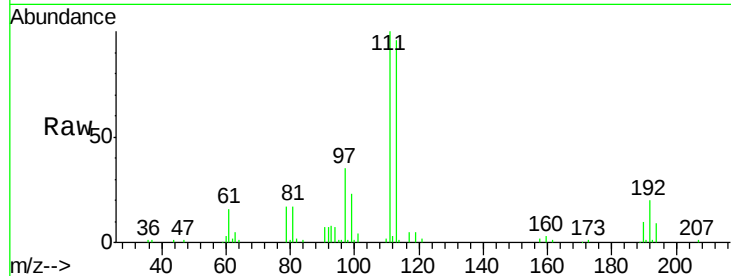
#35
 Dibromofluoromethane
 Concen: 51.624 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	20.2	15.8	23.8

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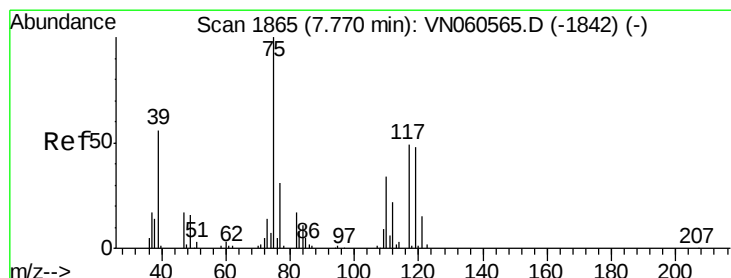
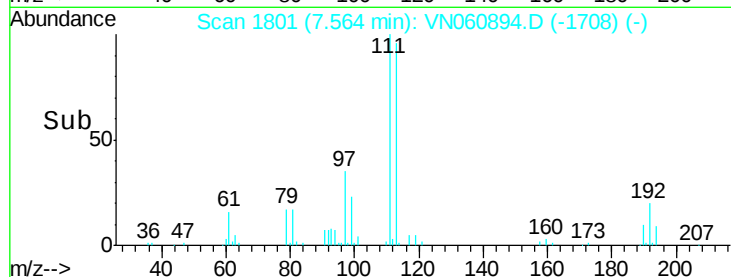
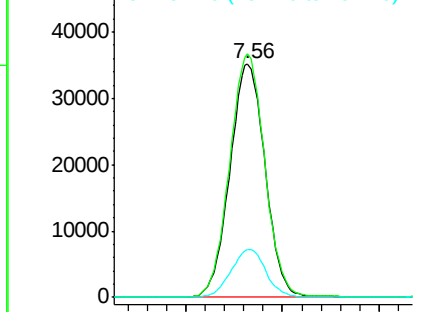


Abundance

Ion 112.80 (112.50 to 113.50): V

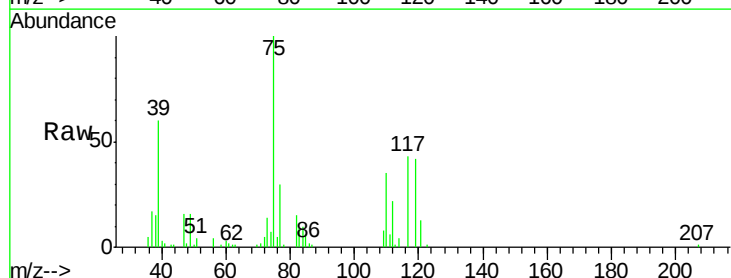
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.291 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.4	24.6	36.8

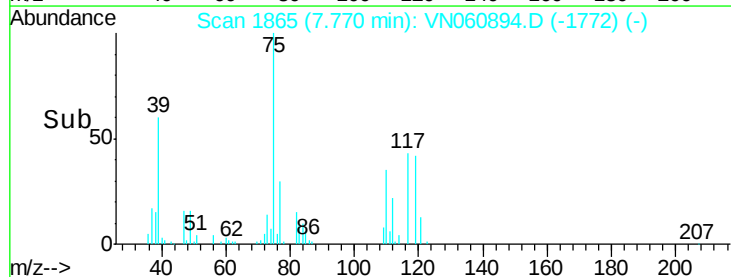
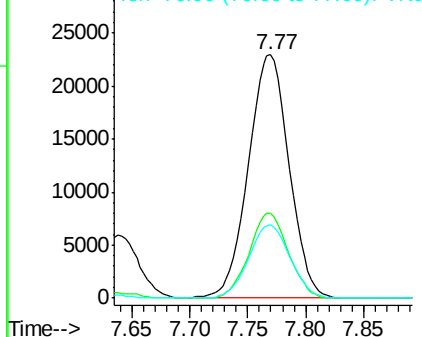


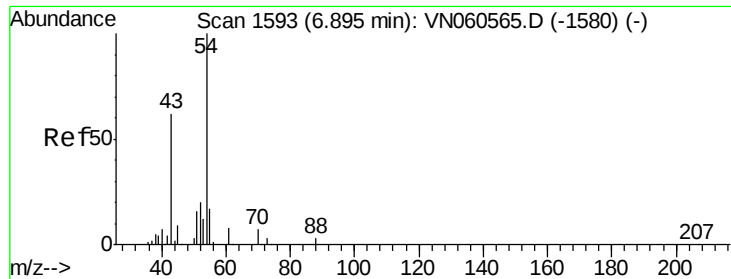
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





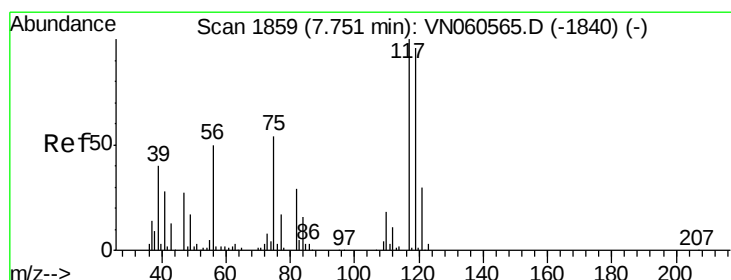
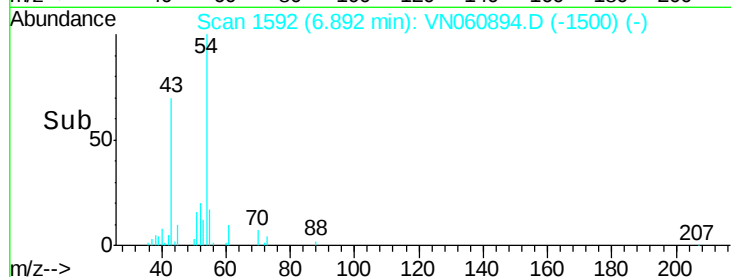
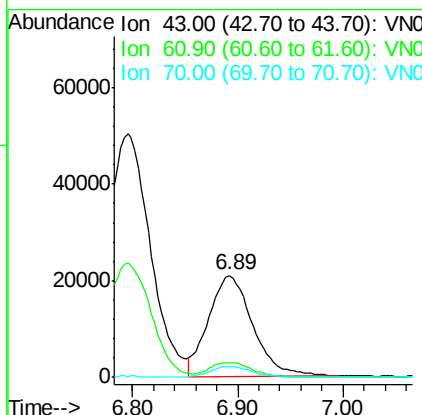
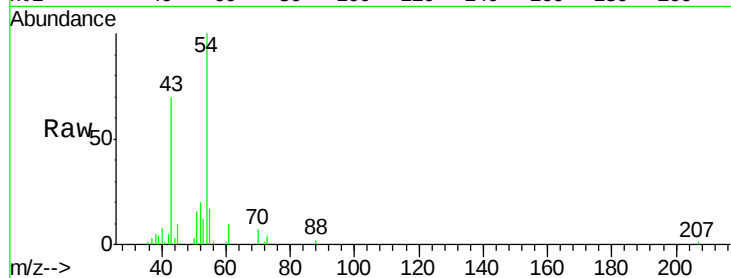
#37
Ethyl Acetate
Concen: 20.306 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion	43	61	70
Resp	60768		
Ratio	100	14.5	10.1
Lower		10.6	7.9
Upper		15.8	11.9

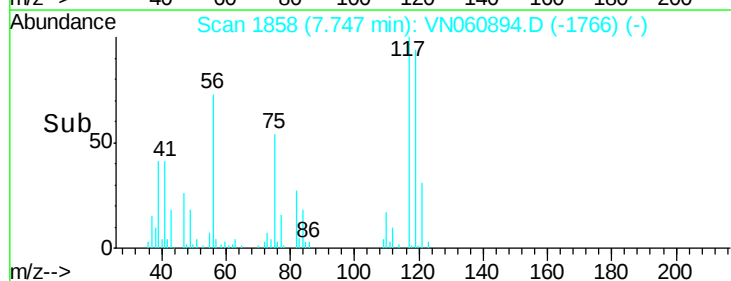
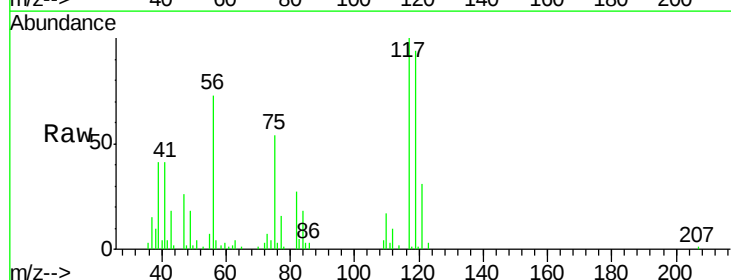
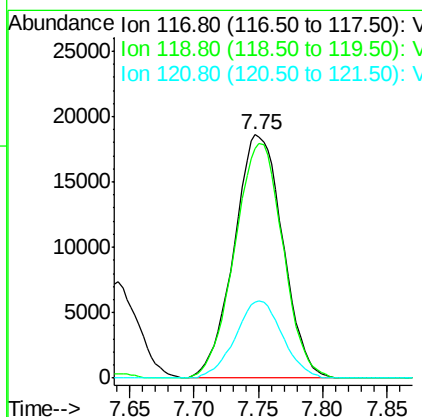
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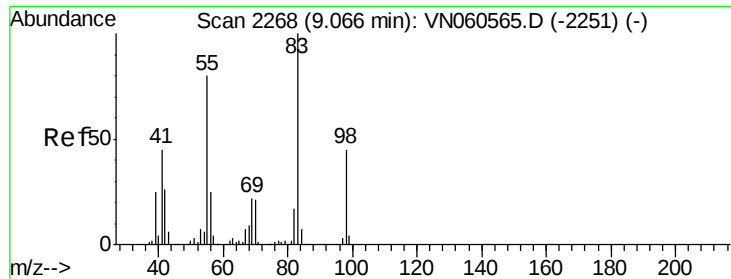
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#38
Carbon Tetrachloride
Concen: 19.701 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	117	119	121
Resp	48902		
Ratio	100	94.2	31.4
Lower		76.2	23.7
Upper		114.2	35.5





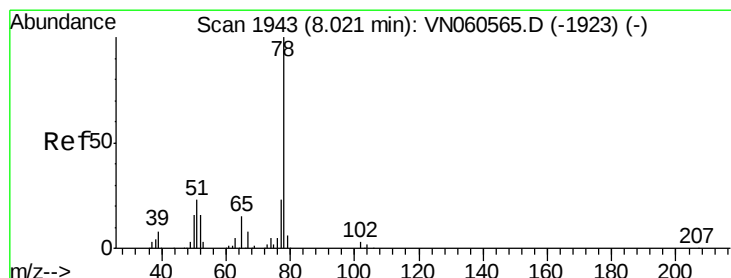
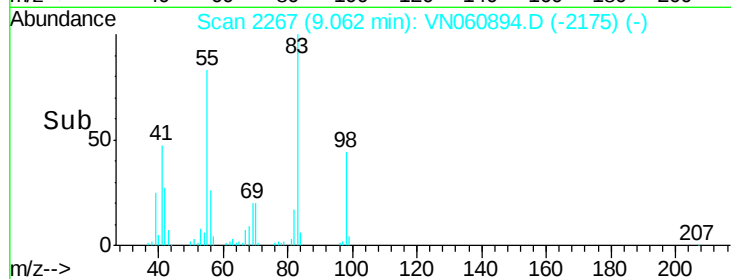
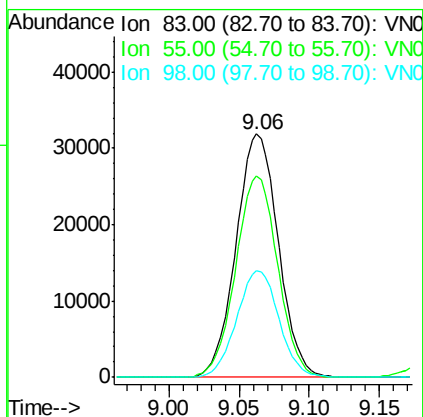
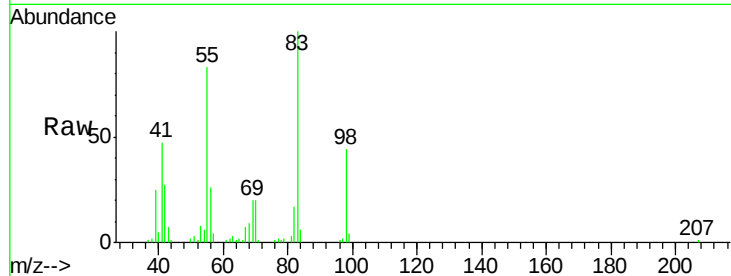
#39
Methvlcvclohexane
Concen: 20.332 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	63.6	95.4
98	43.7	36.0	54.0

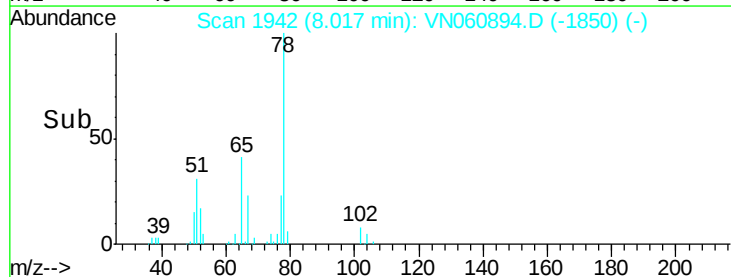
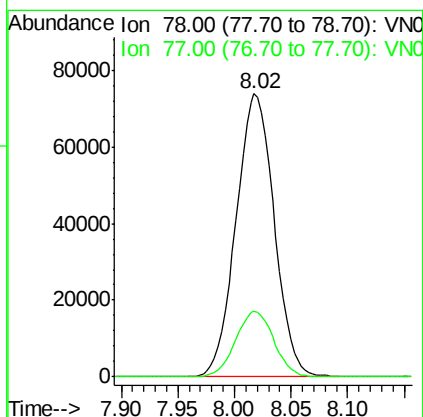
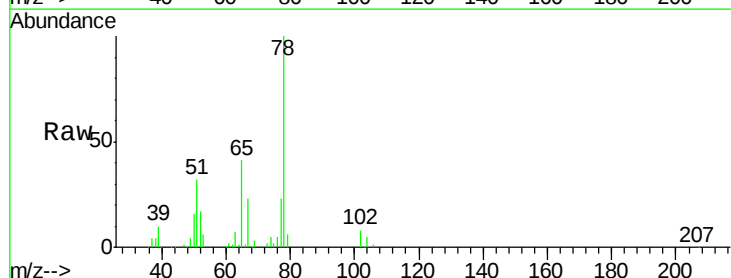
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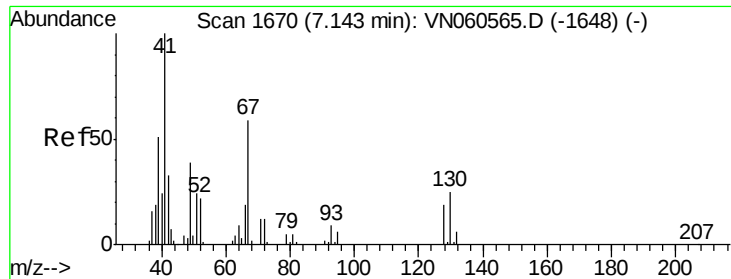
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#40
Benzene
Concen: 20.729 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





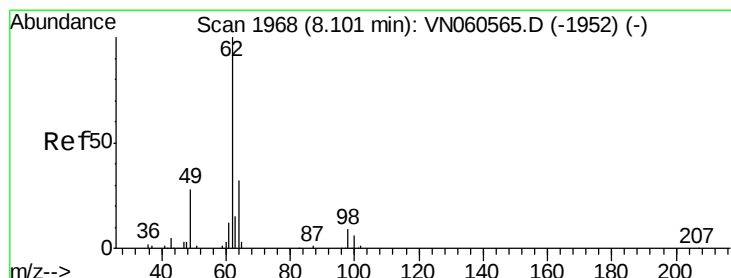
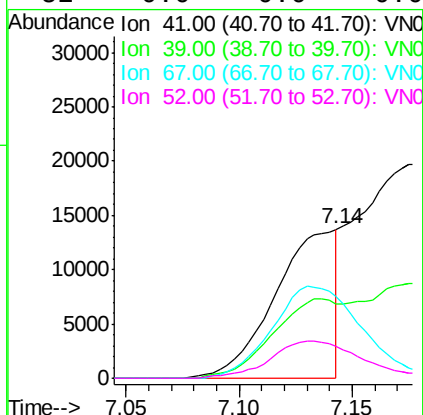
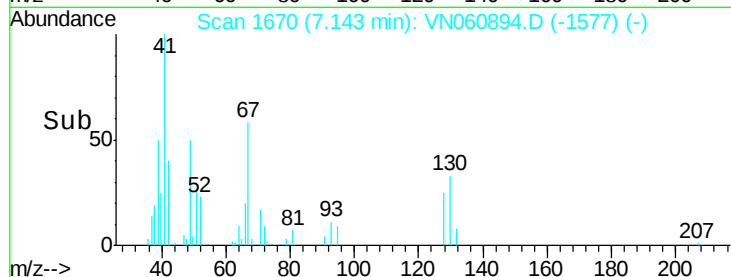
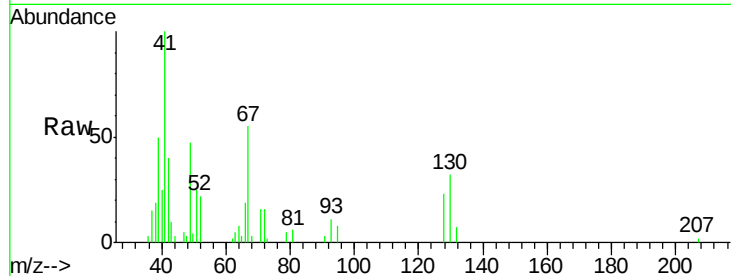
#41
Methacrylonitrile
Concen: 20.338 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	41	Resp	25974
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

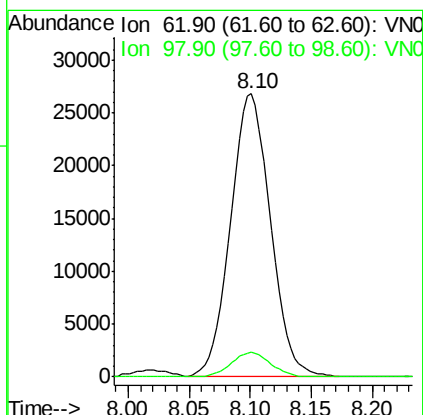
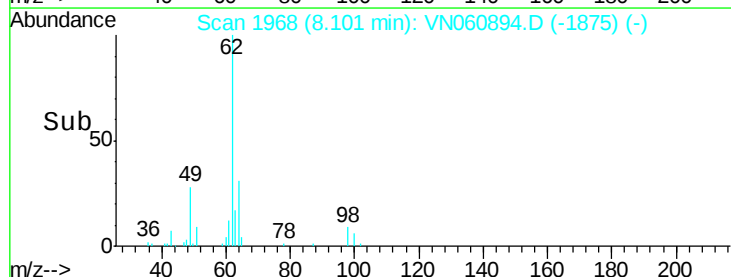
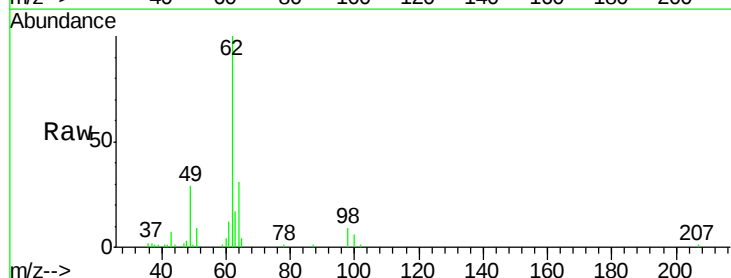
Manual Integrations
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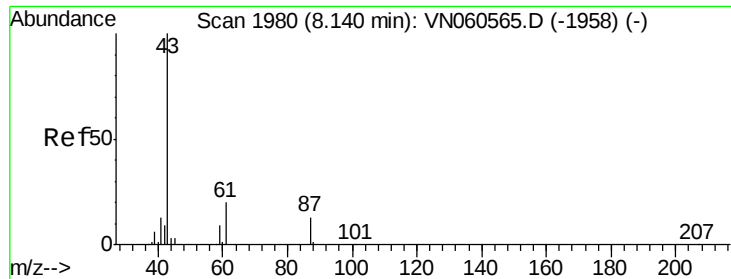
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#42
1,2-Dichloroethane
Concen: 21.310 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	62	Resp	60887
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.8





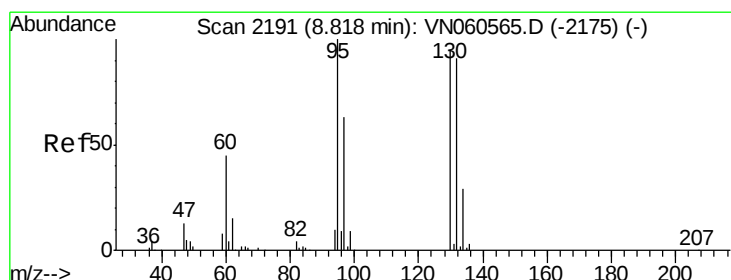
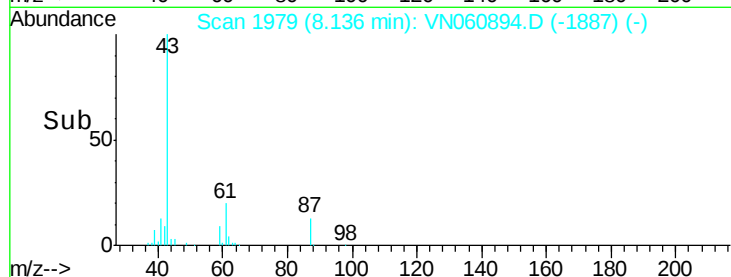
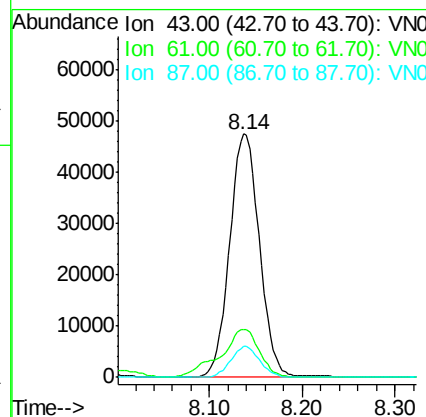
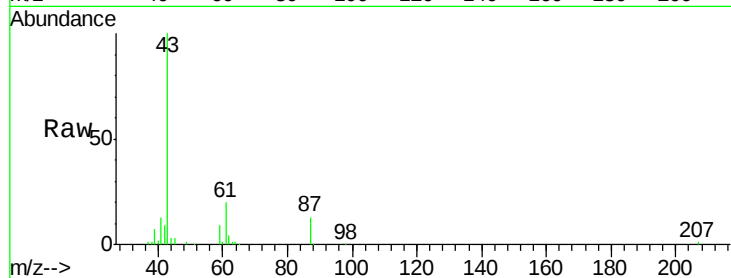
#43
Isopropyl Acetate
Concen: 21.460 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.1	9.8	14.8

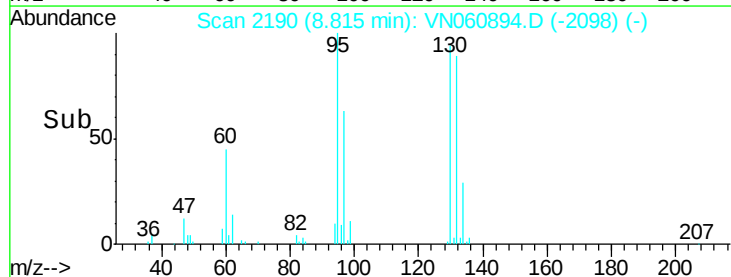
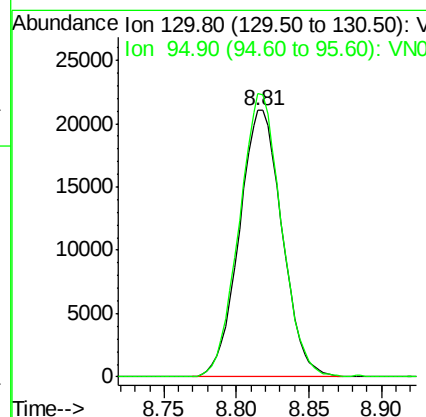
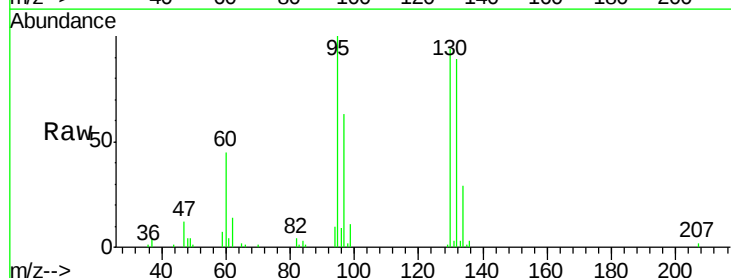
Manual Integrations
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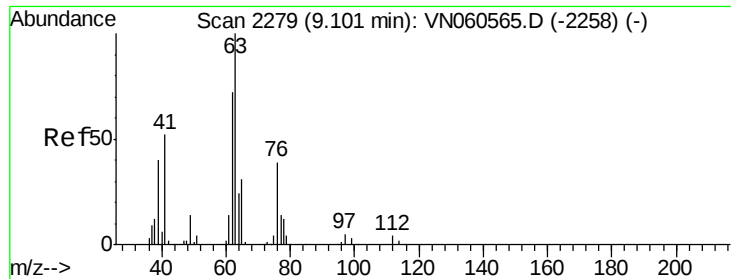
apatel
4/9/2020 12:29:39 PM



#44
Trichloroethene
Concen: 20.545 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.2





#45

1,2-Dichloropropane

Concen: 22.082 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion: 63 Resp: 48714

Ion Ratio Lower Upper

63 100

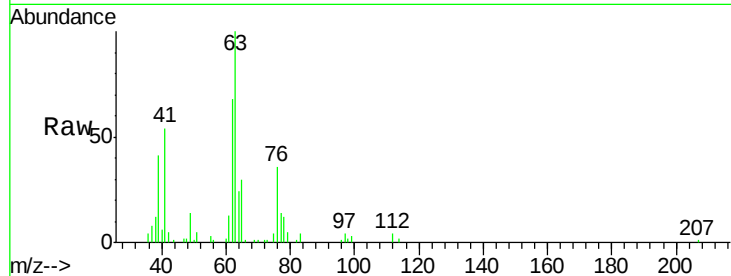
65 30.0 25.4 38.0

Manual Integrations

APPROVED

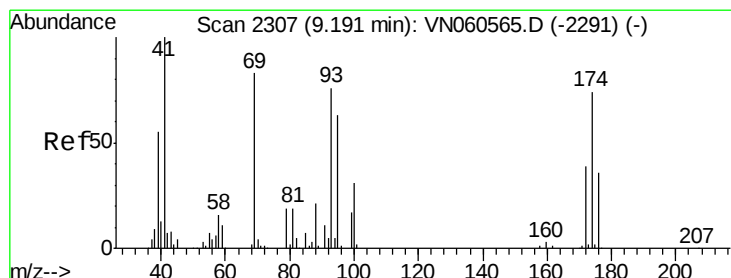
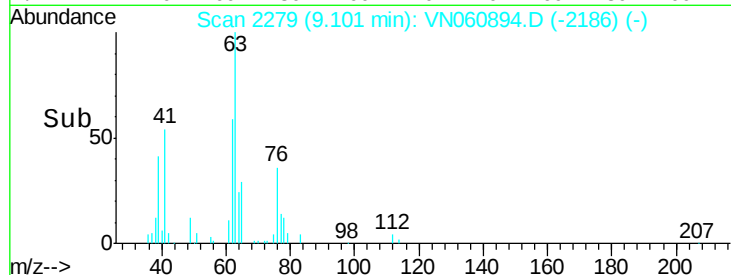
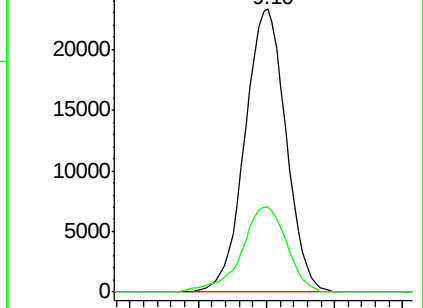
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.574 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

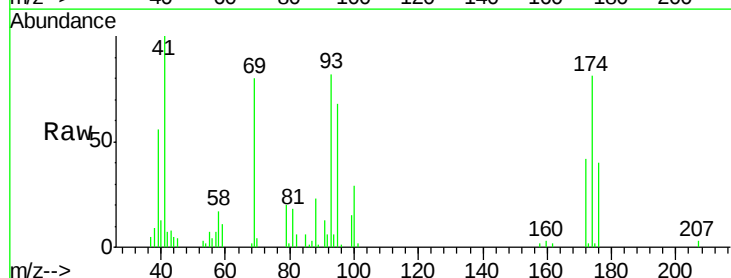
Tgt Ion: 93 Resp: 28773

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.4

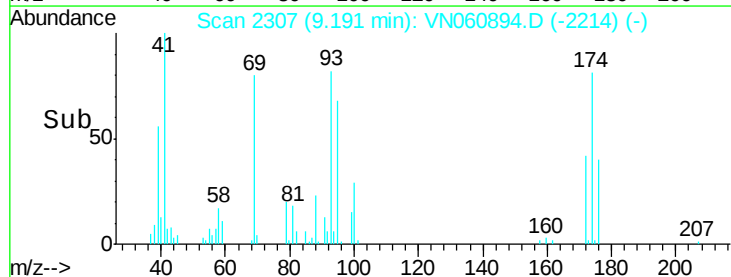
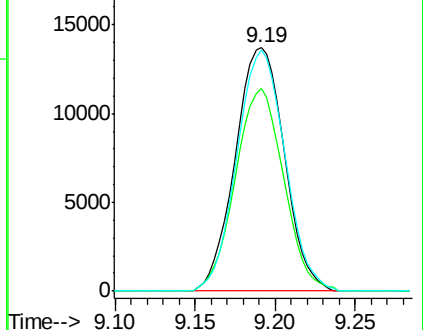
174 97.0 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.286 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

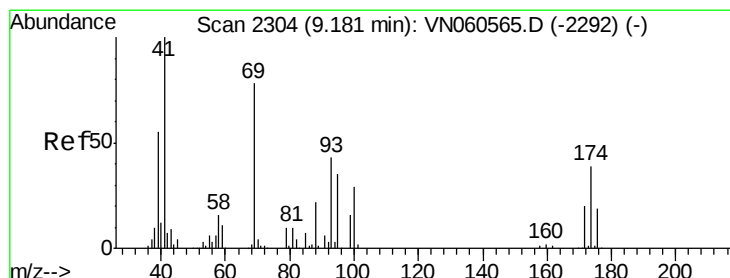
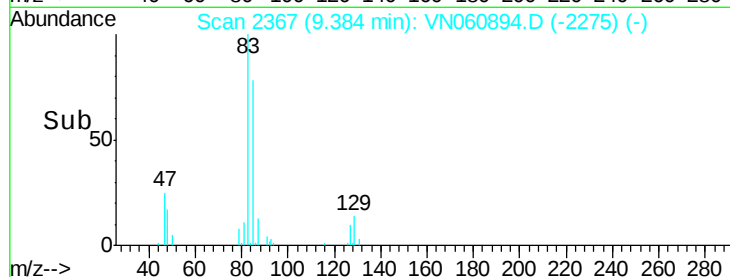
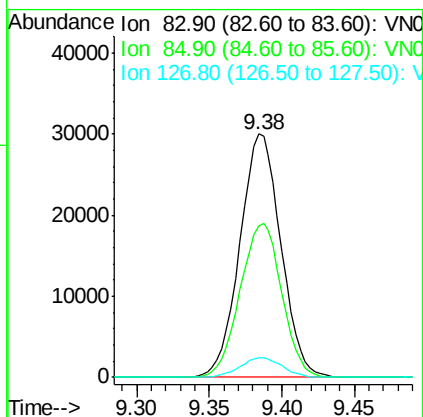
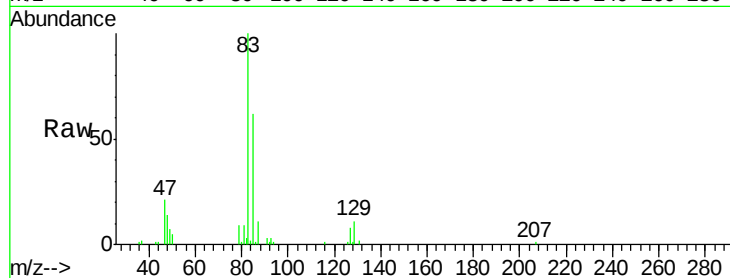
ClientSampleId :

VN0408WBSD01

Tot Ion:	83	Resp:	58993
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.398 ug/l

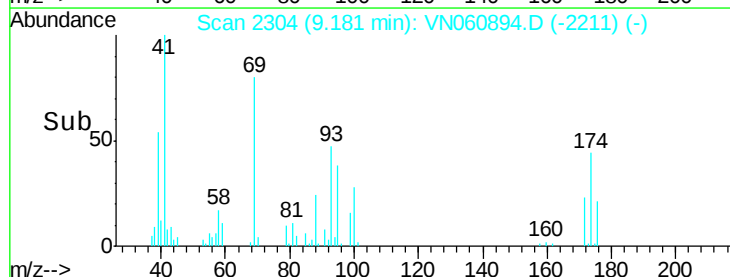
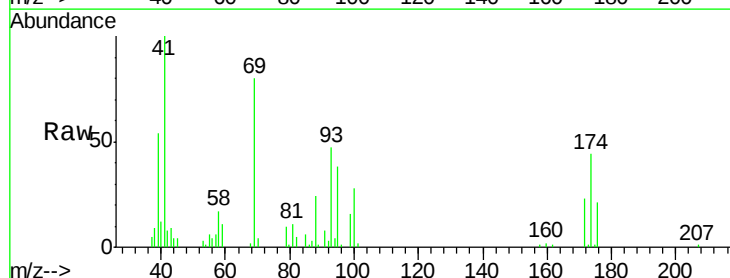
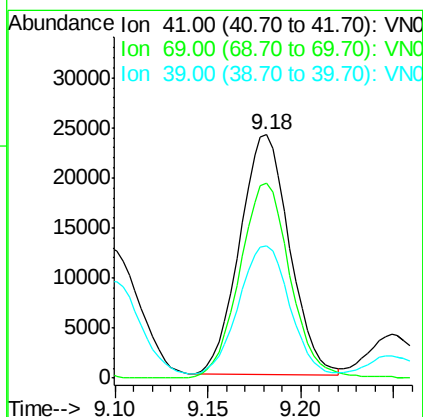
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion:	41	Resp:	44821
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.4	98.0
39	58.4	44.0	66.0





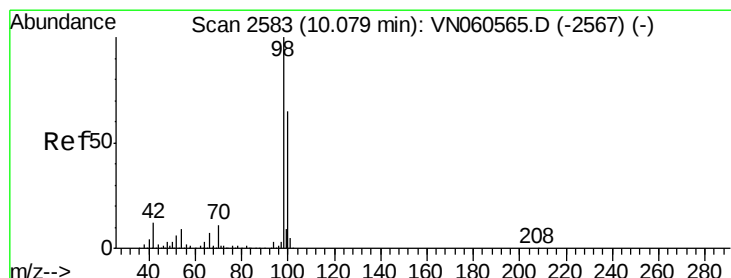
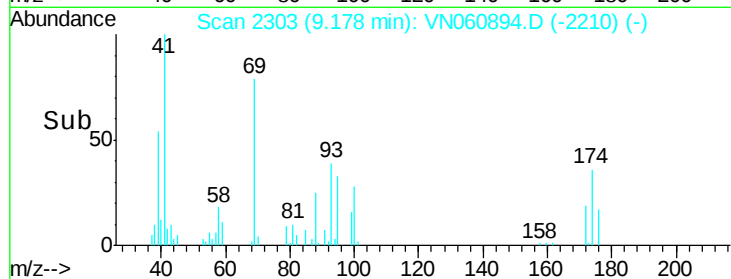
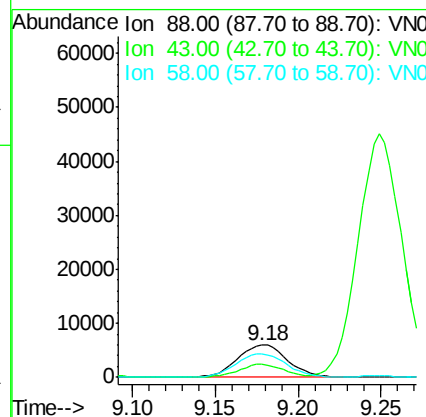
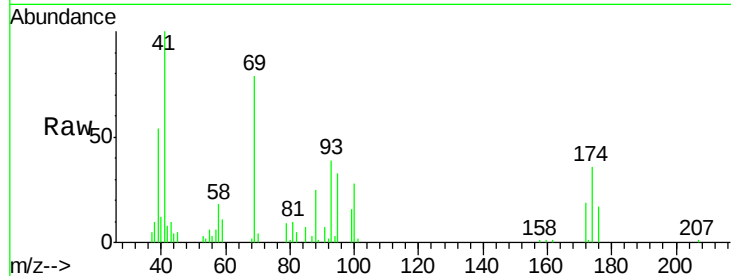
#49
1,4-Dioxane
Concen: 479.975 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	30.8	46.2
58	74.0	59.8	89.8

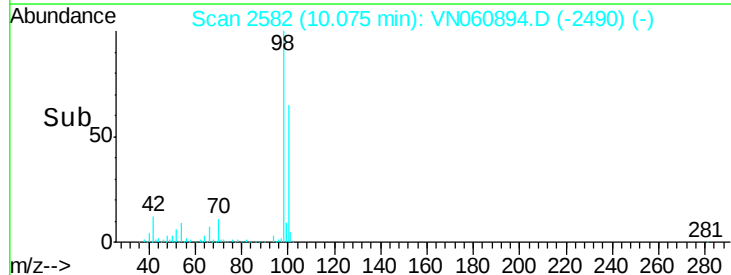
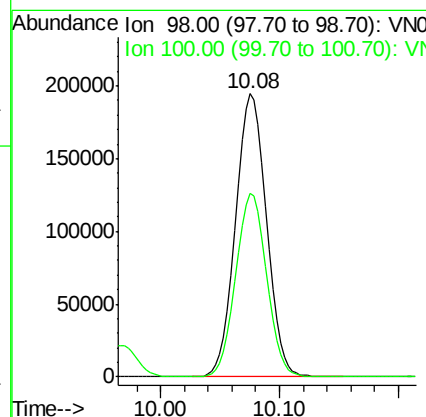
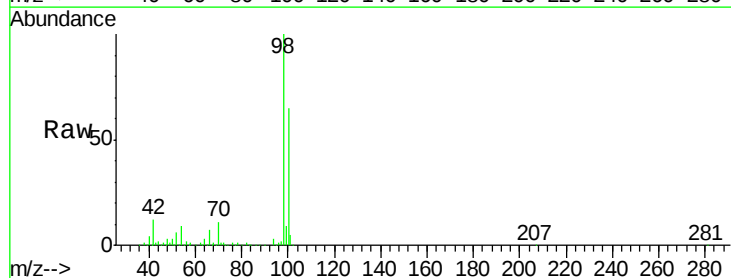
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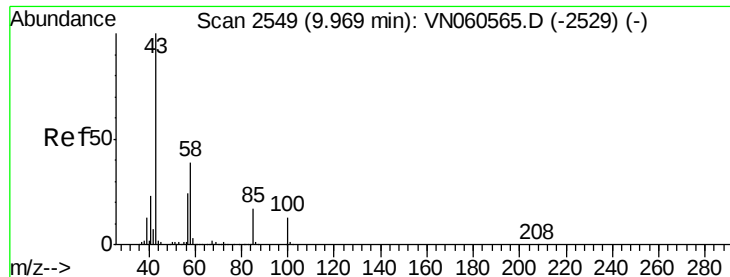
apatel
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#50
Toluene-d8
Concen: 49.729 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





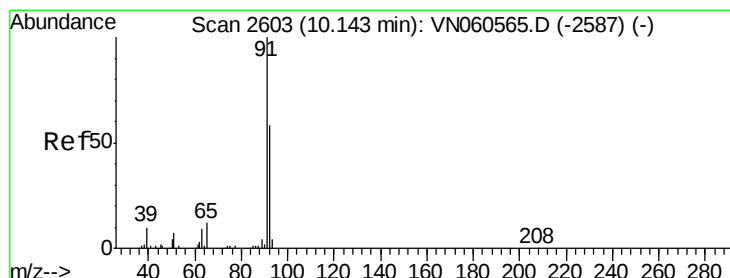
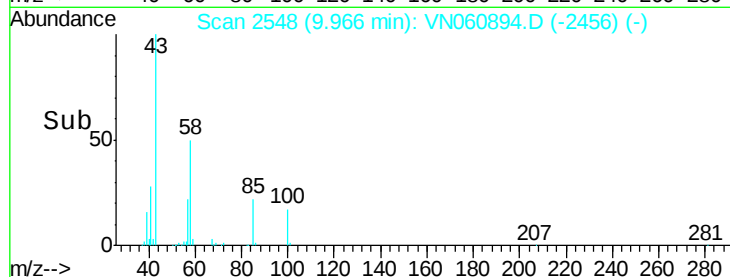
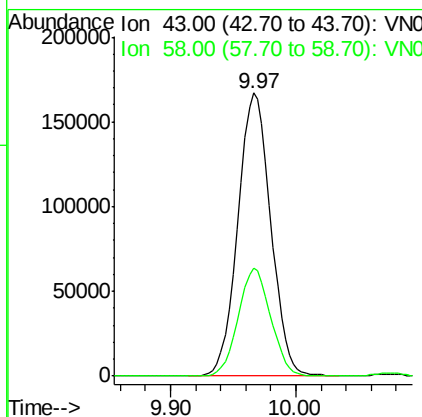
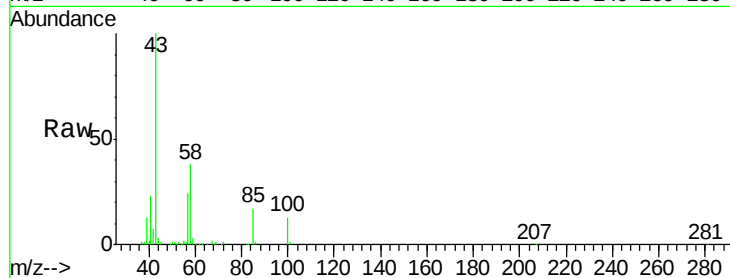
#51
4-Methyl-2-Pentanone
Concen: 108.218 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.8	46.2

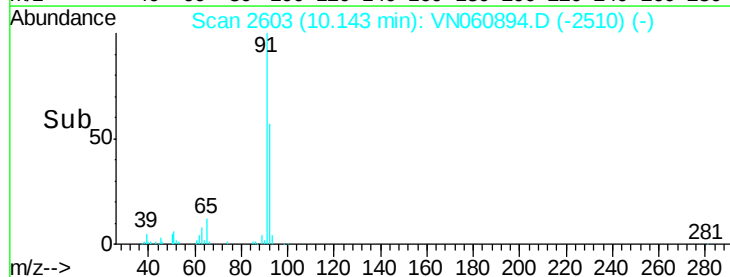
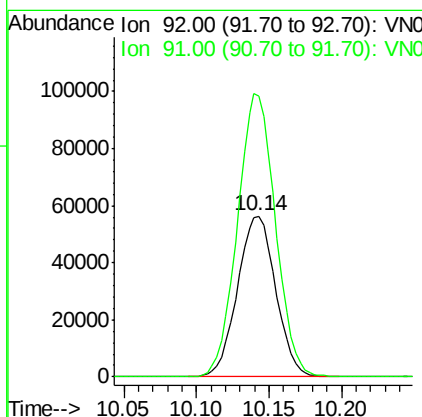
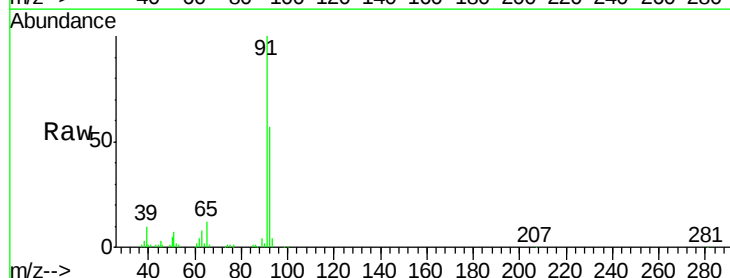
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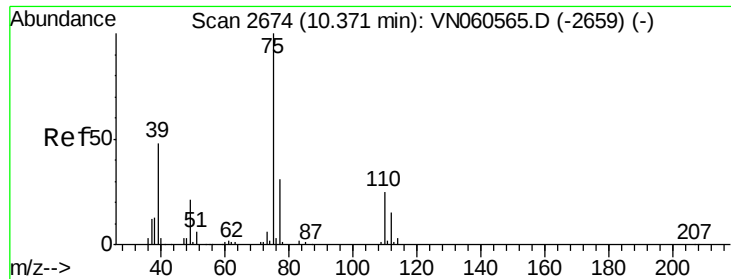
apatel
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#52
Toluene
Concen: 20.466 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.6	206.4





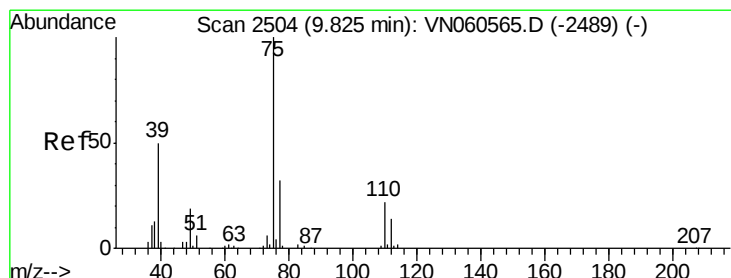
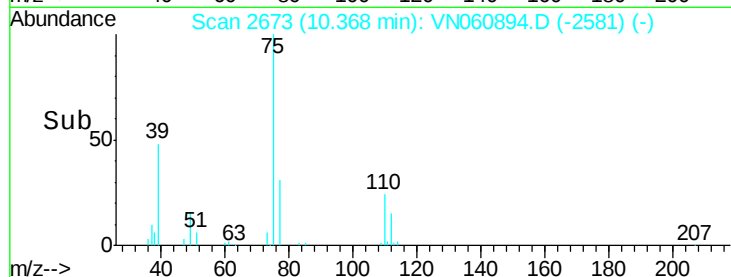
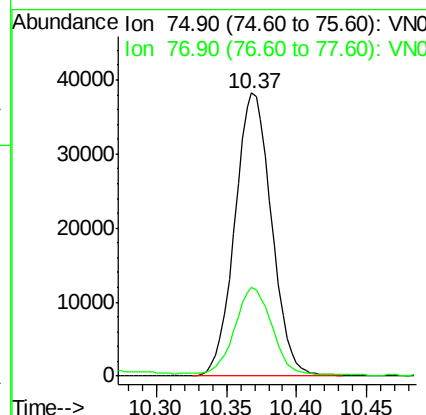
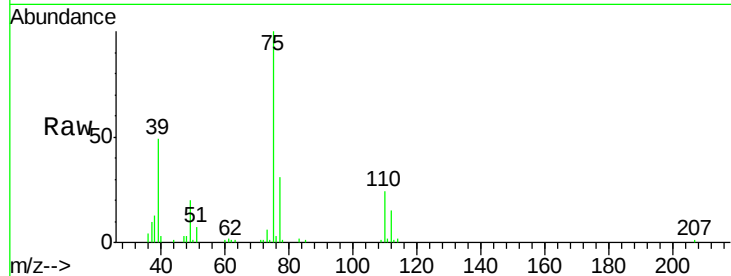
#53
t-1,3-Dichloropropene
Concen: 21.877 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion: 75 Resp: 69645
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7

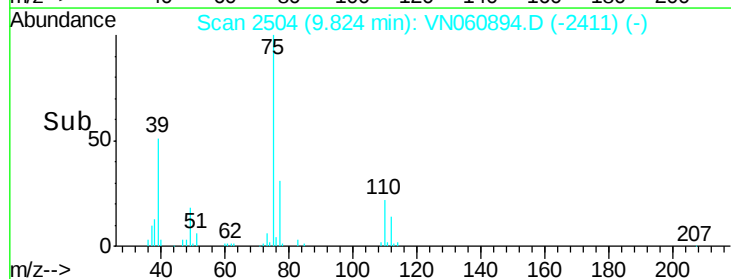
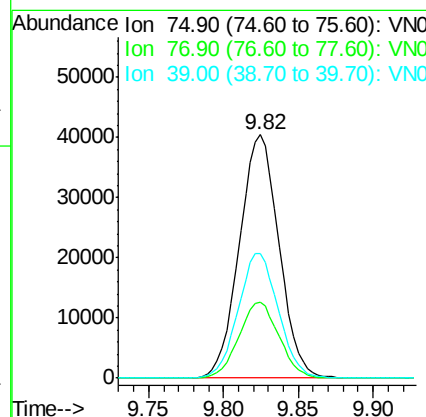
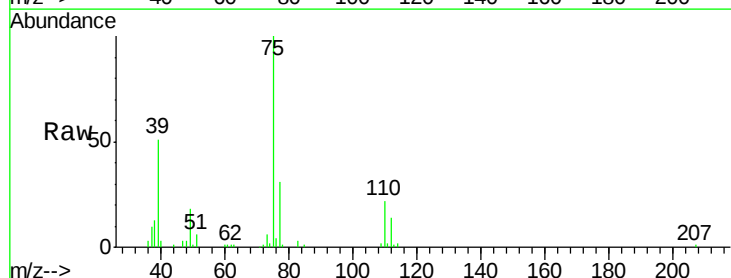
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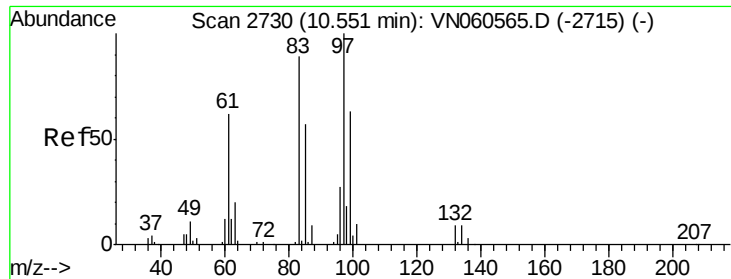
apatel
4/9/2020 12:29:39 PM



#54
cis-1,3-Dichloropropene
Concen: 21.322 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion: 75 Resp: 74466
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 50.9 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 21.333 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion: 97 Resp: 41439

Ion Ratio Lower Upper

97 100

83 92.1 71.3 106.9

85 60.6 45.2 67.8

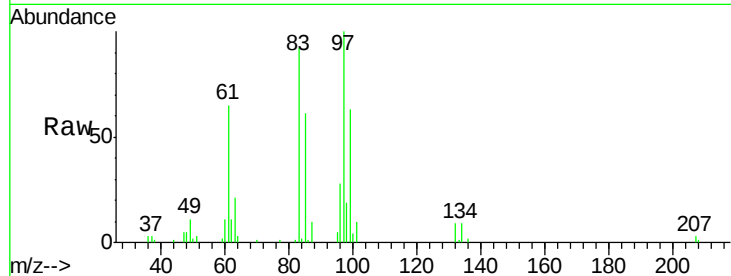
99 63.2 50.1 75.1

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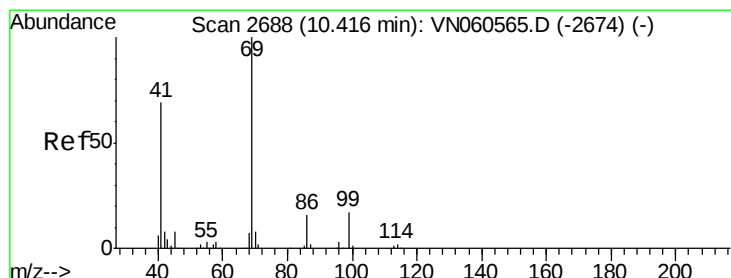
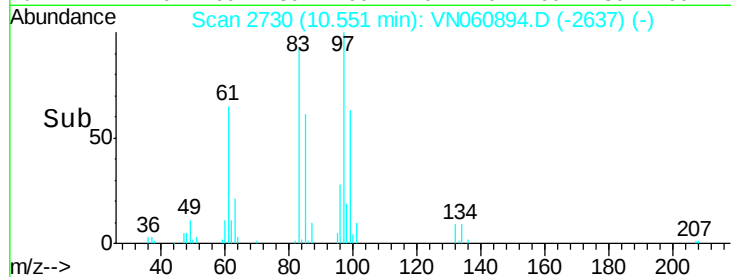
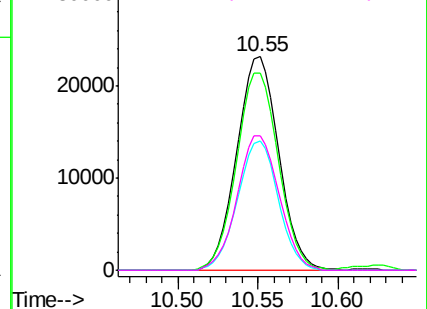


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.969 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

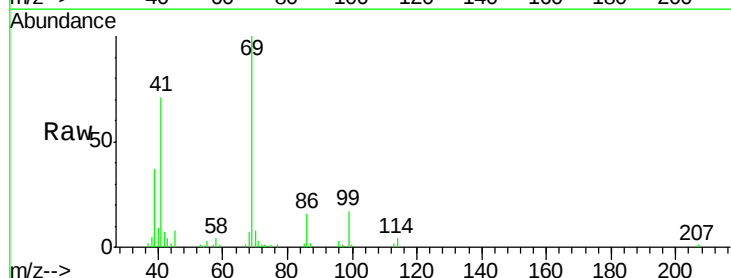
Tgt Ion: 69 Resp: 63512

Ion Ratio Lower Upper

69 100

41 72.4 55.4 83.2

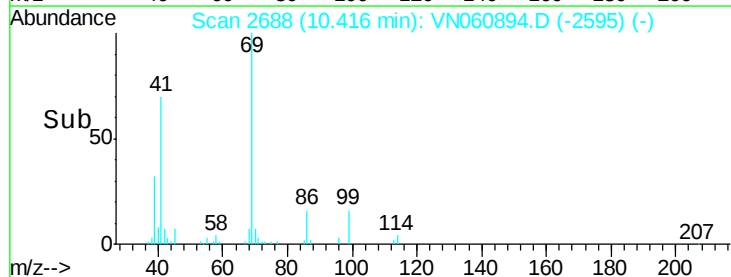
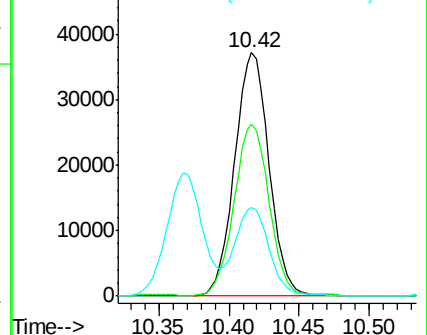
39 37.0 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.800 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 76 Resp: 73484

Ion Ratio Lower Upper

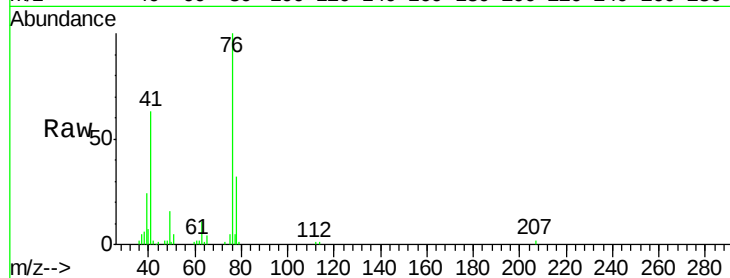
76 100

78 32.4 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN060894.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060894.D (-2682) (-)

10.70

40000

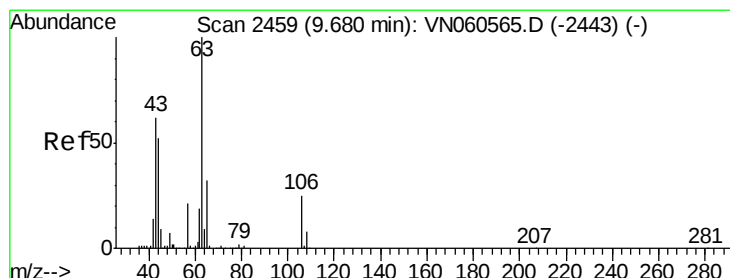
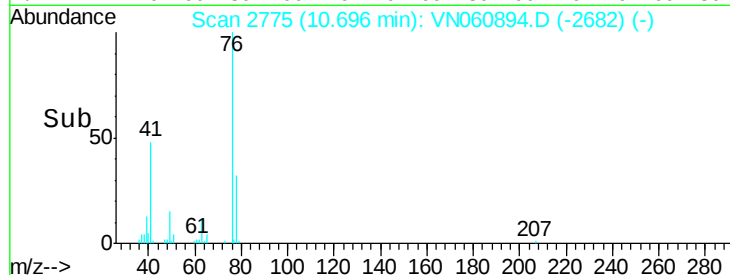
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 93.117 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060894.D

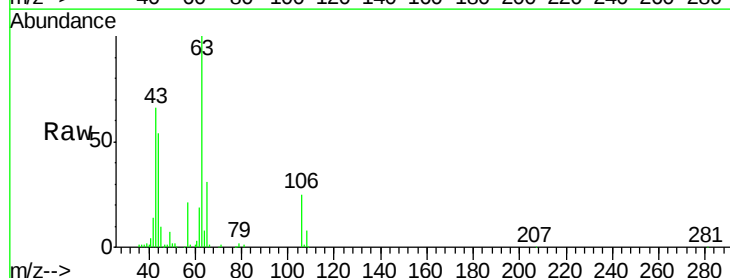
Acq: 8 Apr 2020 12:38

Tgt Ion: 63 Resp: 140175

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060894.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060894.D (-2366) (-)

9.68

80000

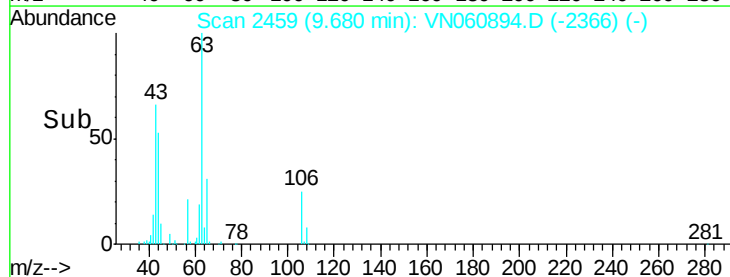
60000

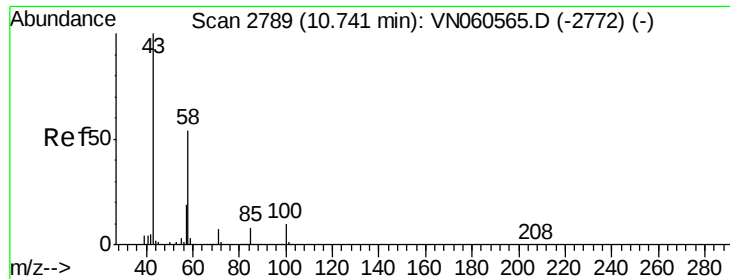
40000

20000

0

Time-->





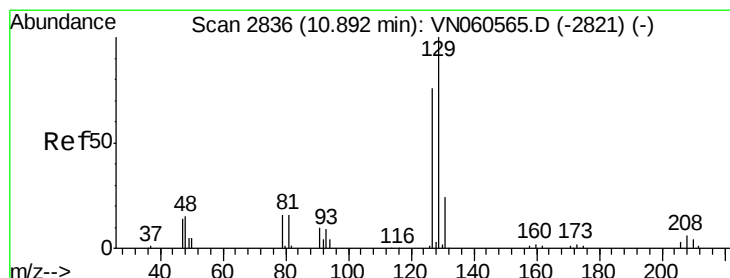
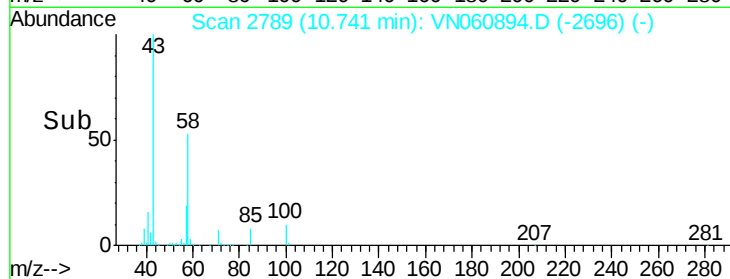
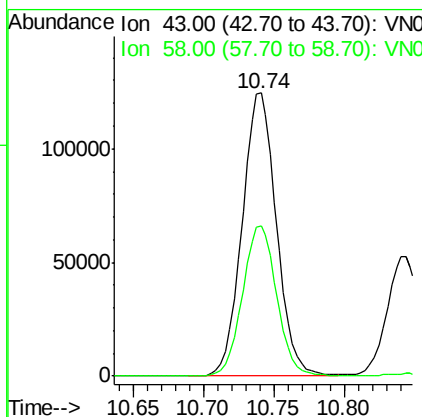
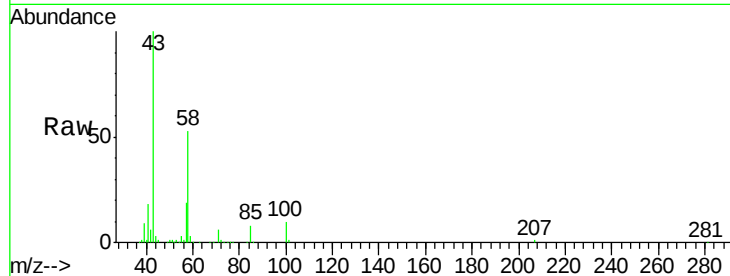
#59
2-Hexanone
Concen: 104.801 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion	43	Resp	212017
Ion Ratio	43	100	
Lower	58	53.1	26.7
Upper			80.1

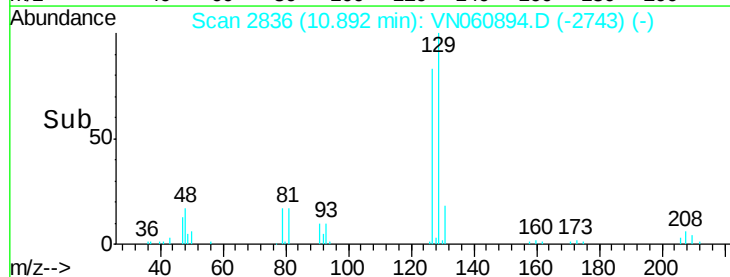
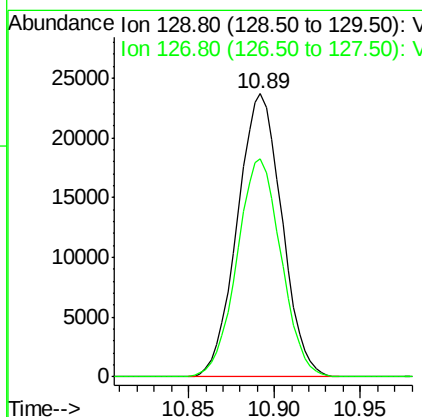
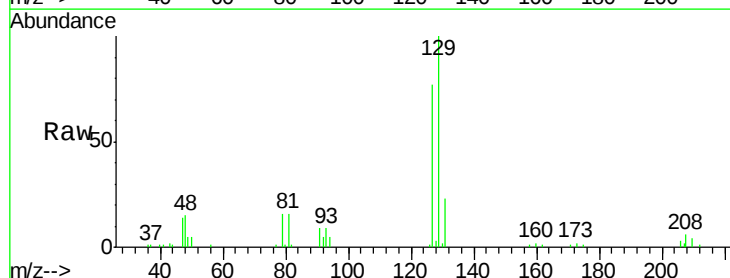
Manual Integrations
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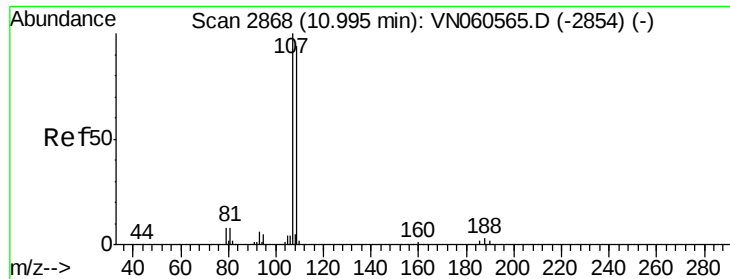
apatel
4/9/2020 12:29:39 PM



#60
Dibromochloromethane
Concen: 21.240 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	129	Resp	42618
Ion Ratio	129	100	
Lower	127	76.4	38.5
Upper			115.5





#61

1,2-Dibromoethane

Concen: 20.998 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion:107 Resp: 41016

Ion Ratio Lower Upper

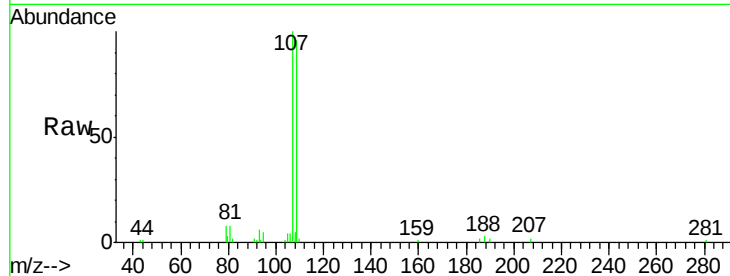
107 100

109 94.4 75.4 113.2

Manual Integrations
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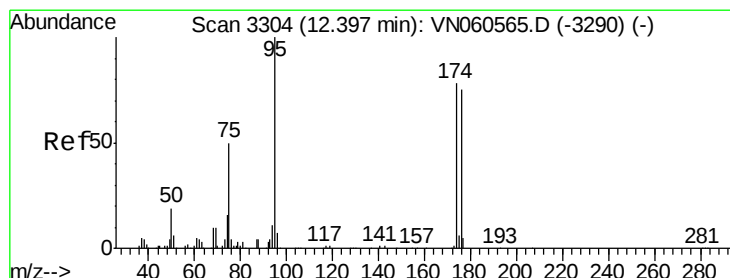
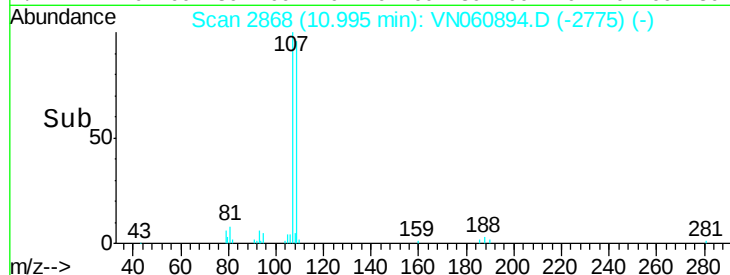
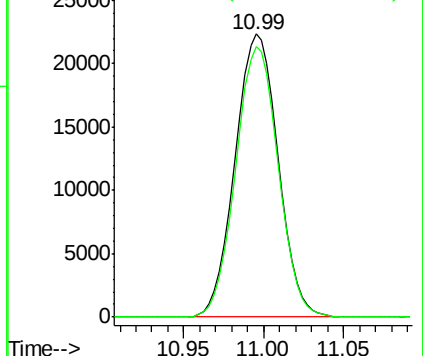
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.376 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

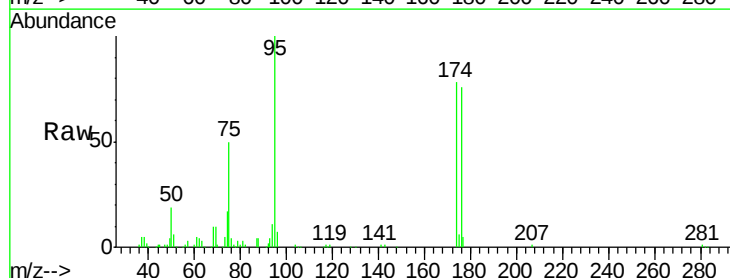
Tgt Ion: 95 Resp: 127832

Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

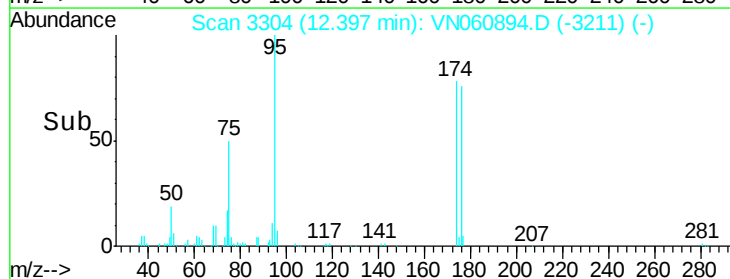
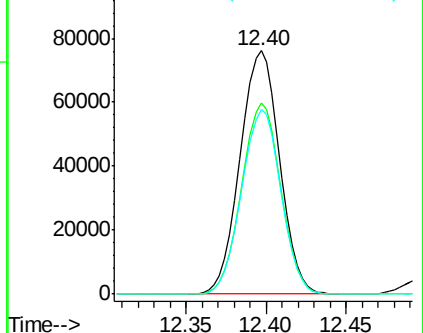
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





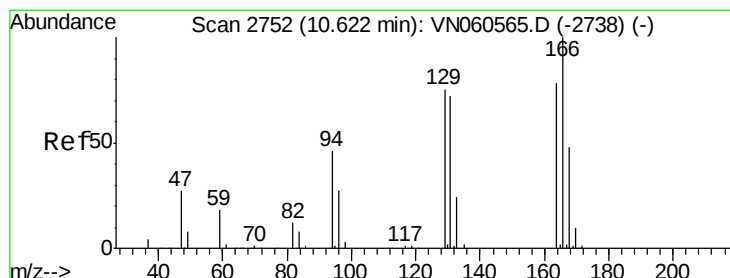
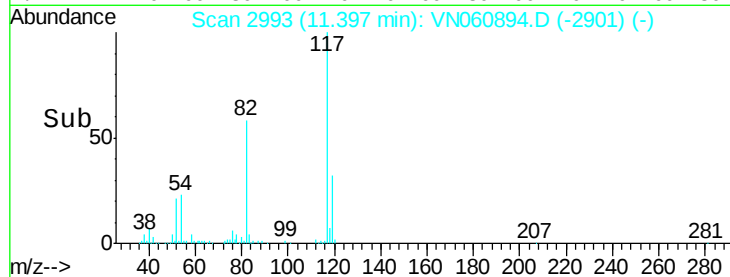
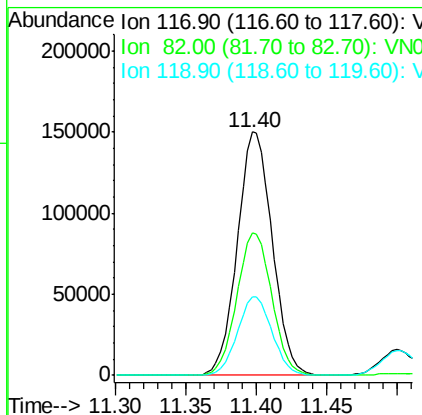
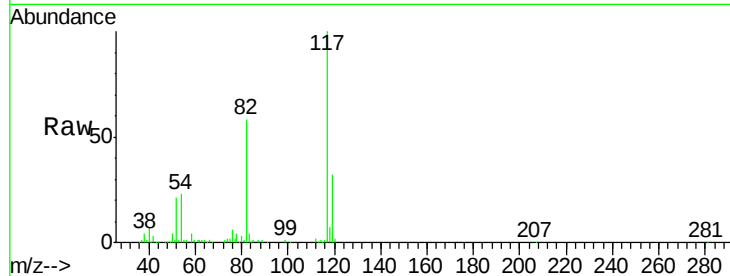
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.7	70.1
119	32.1	25.5	38.3

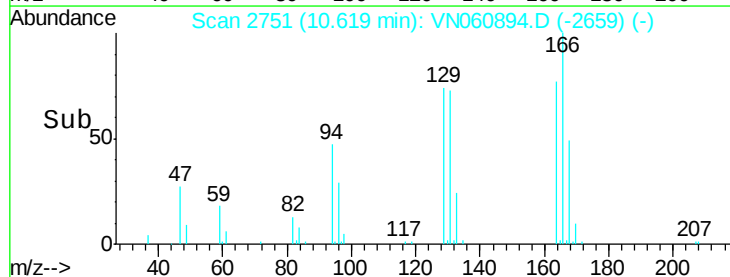
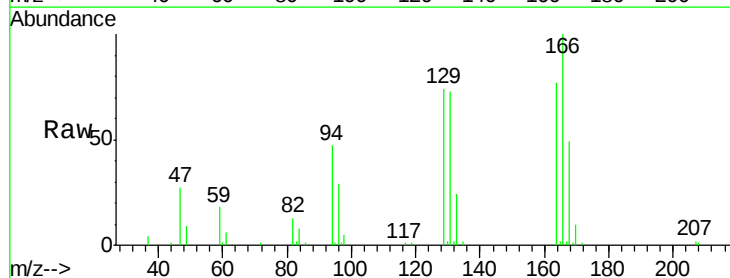
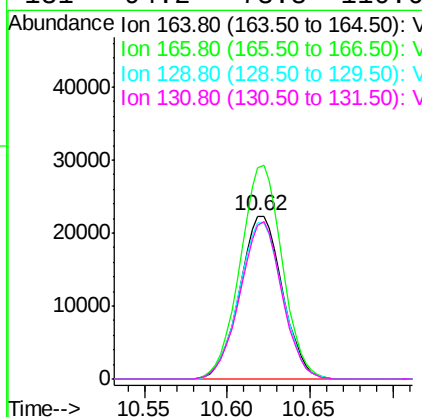
Manual Integrations
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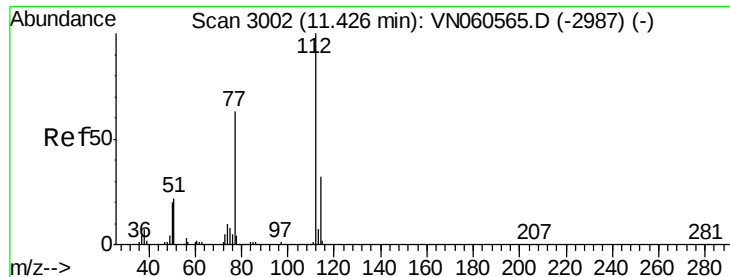
apatel
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#64
Tetrachloroethene
Concen: 19.560 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.7	154.1
129	95.3	77.2	115.8
131	94.2	73.8	110.6





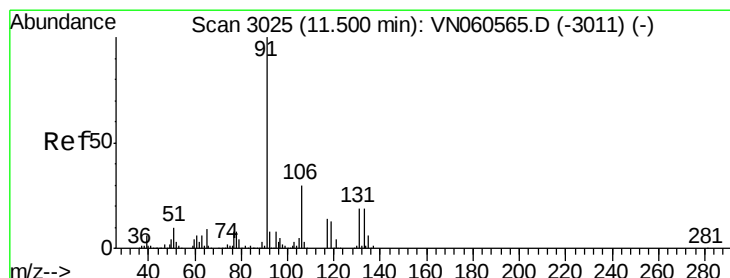
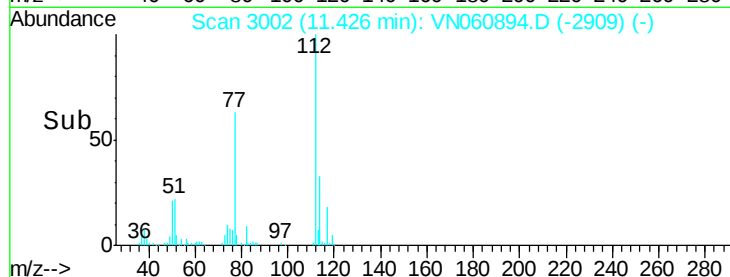
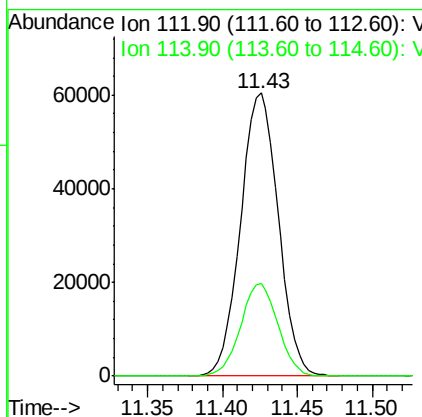
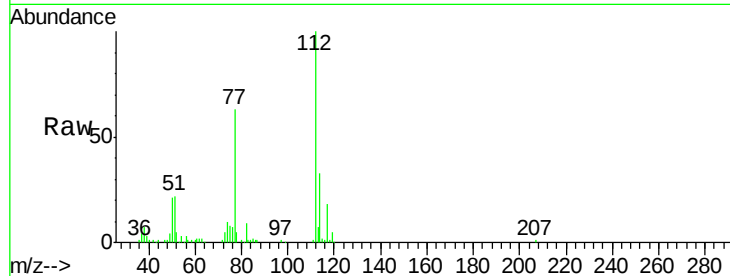
#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.8	38.6

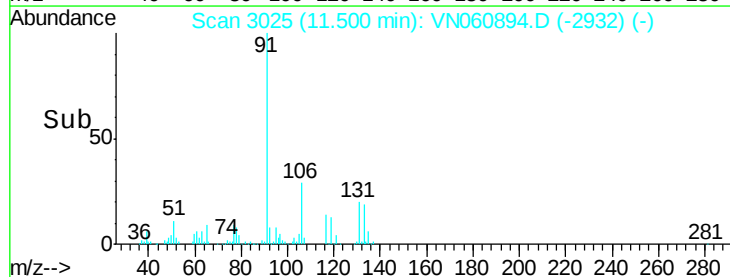
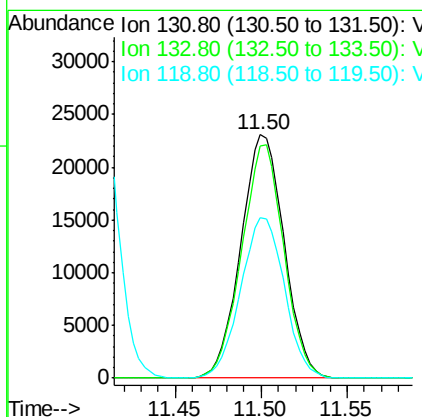
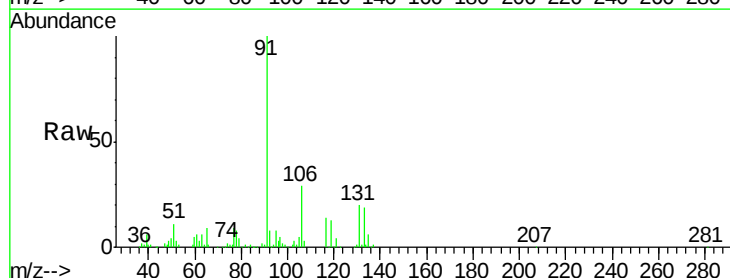
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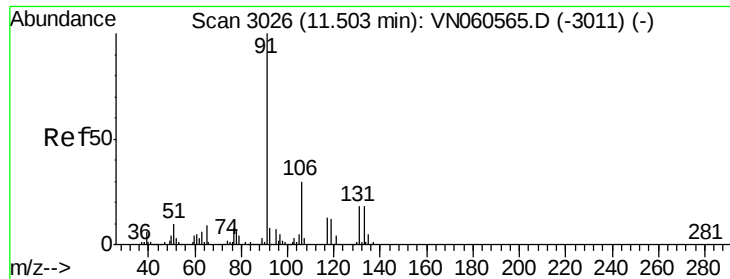
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.526 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.9	146.8
119	66.6	33.9	101.7





#67

Ethyl Benzene

Concen: 20.793 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion: 91 Resp: 199632

Ion Ratio Lower Upper

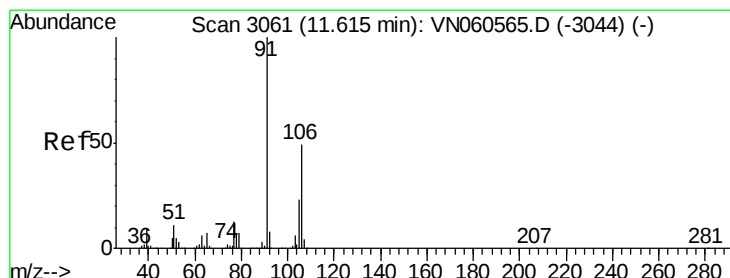
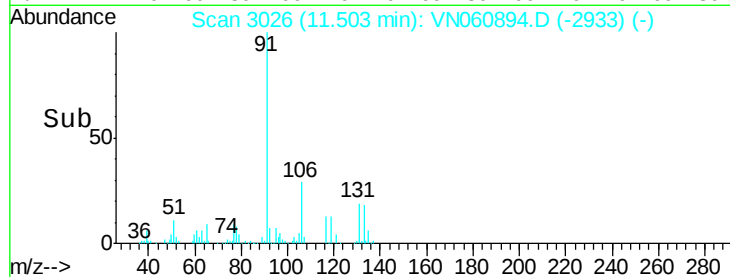
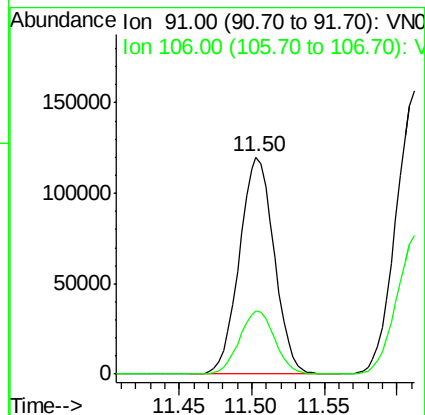
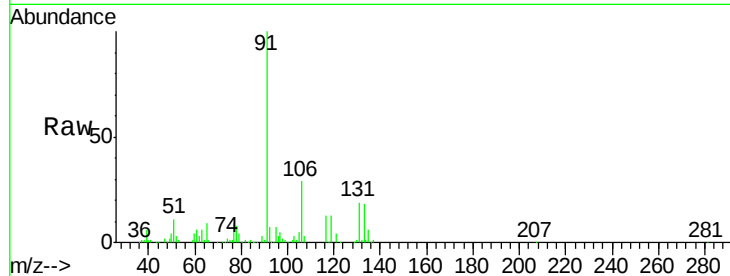
91 100

106 28.9 24.2 36.2

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#68

m/p-Xylenes

Concen: 40.735 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060894.D

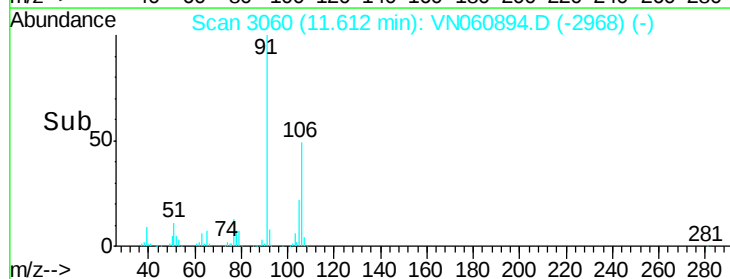
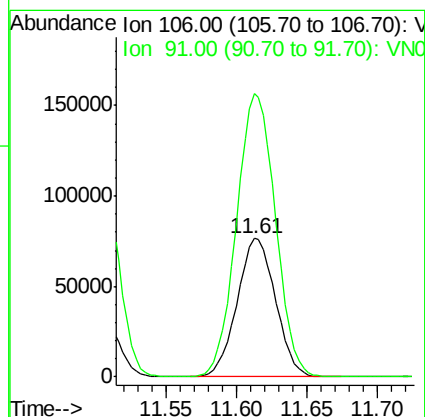
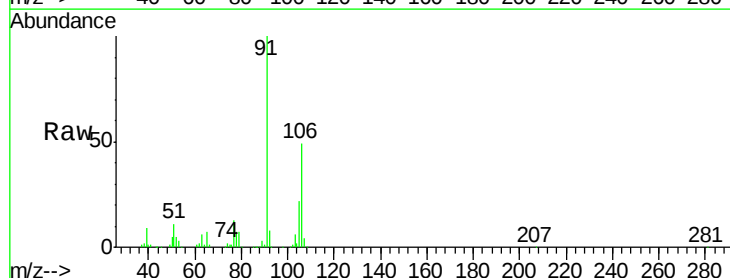
Acq: 8 Apr 2020 12:38

Tgt Ion: 106 Resp: 145328

Ion Ratio Lower Upper

106 100

91 208.1 165.0 247.4





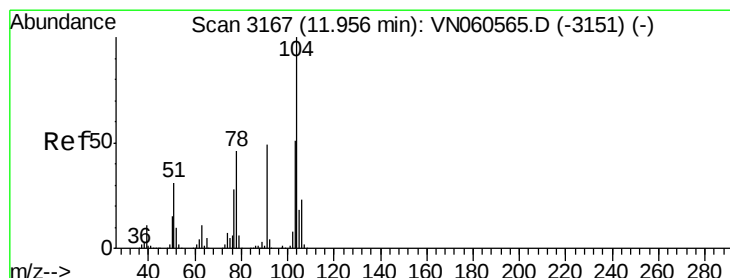
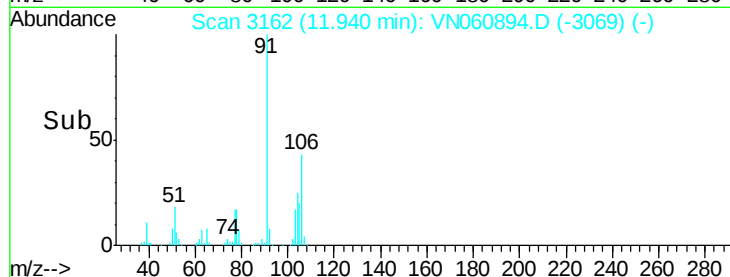
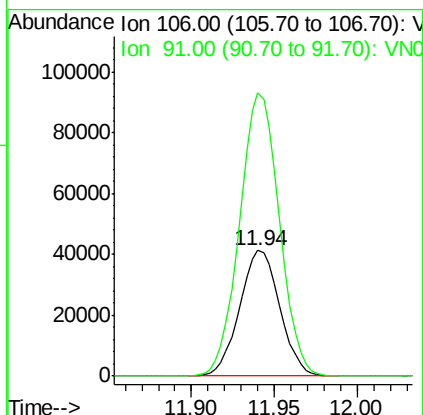
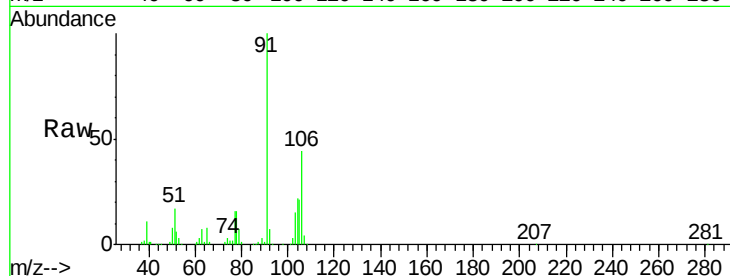
#69
o-Xylene
Concen: 20.414 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion:106 Resp: 69527
Ion Ratio Lower Upper
106 100
91 222.9 109.5 328.4

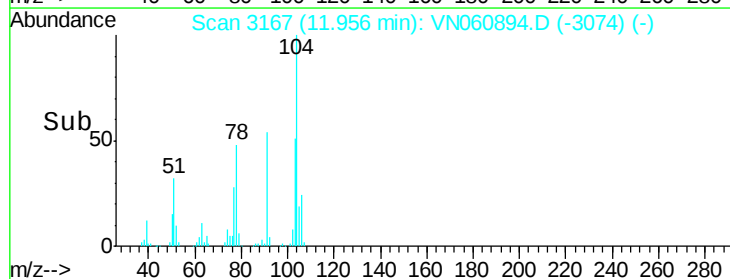
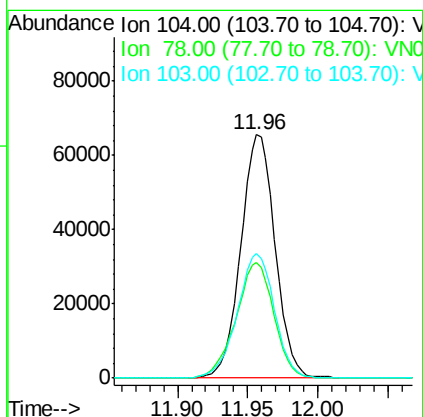
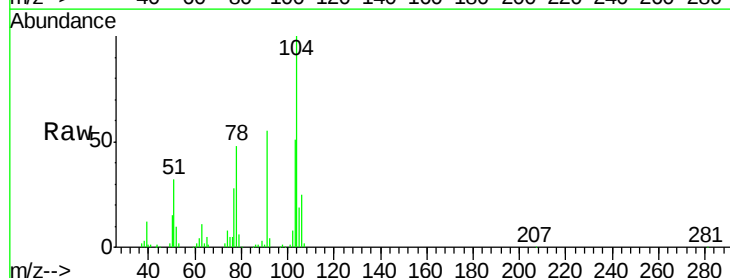
Manual Integrations
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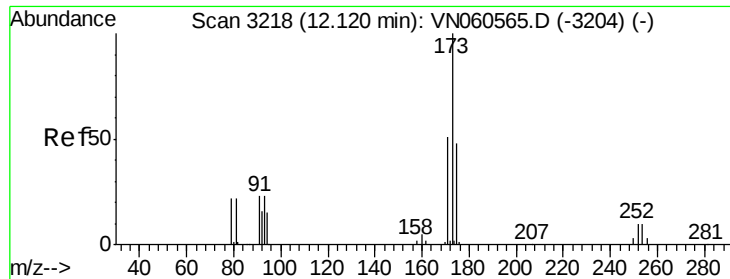
apatel
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#70
Styrene
Concen: 20.061 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion:104 Resp: 111743
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 44.0 66.0





#71

Bromoform

Concen: 20.163 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

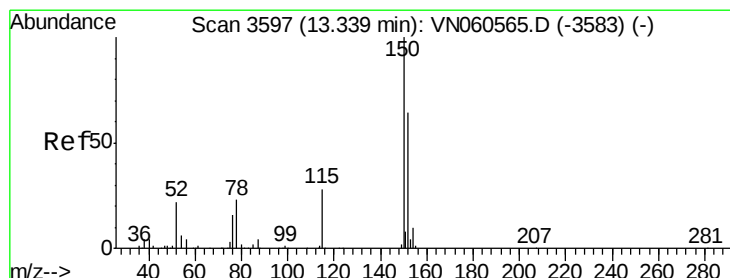
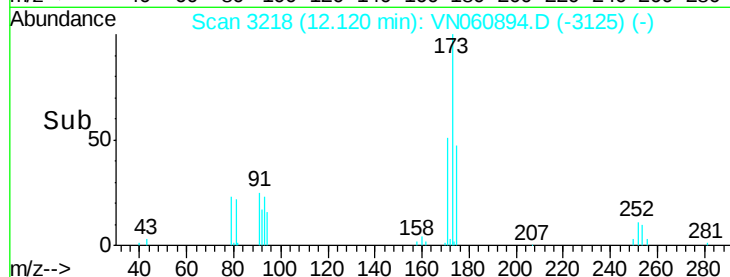
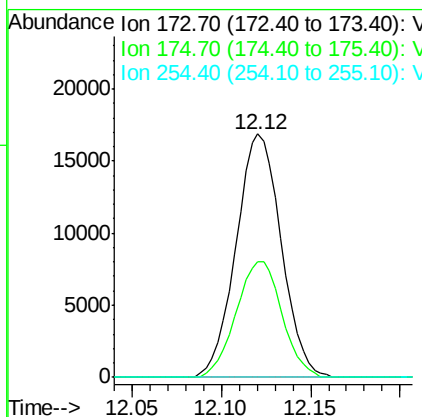
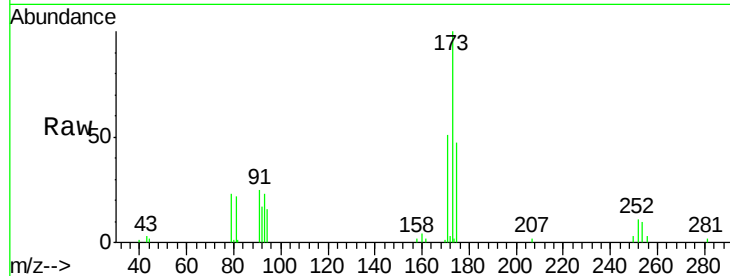
ClientSampleId :

VN0408WBSD01

Tot Ion:173	Resp:	29712
Ion Ratio	Lower	Upper
173	100	
175	48.2	24.1 72.4
254	0.0	0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

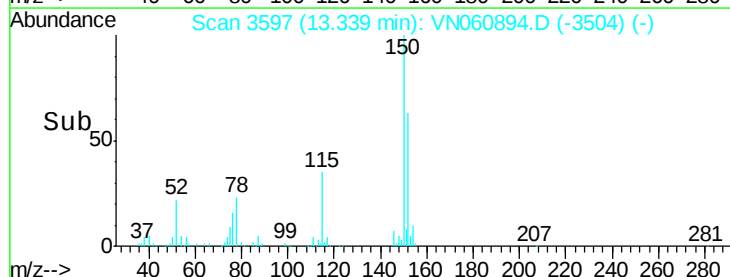
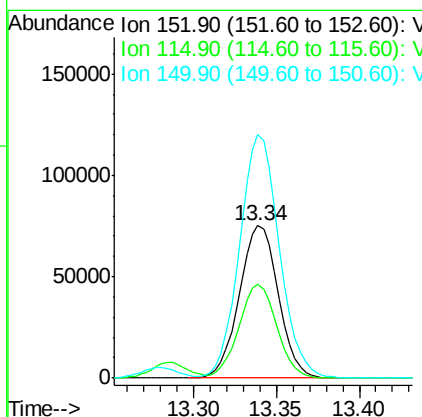
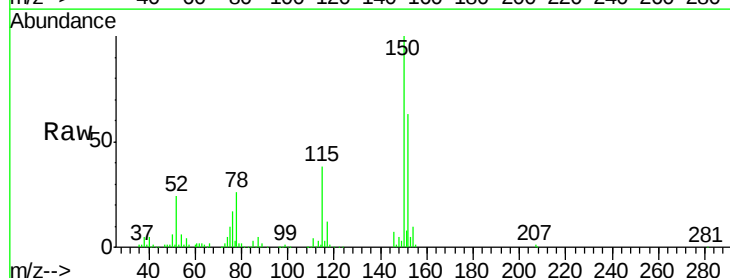
RT: 13.34 min Scan# 3597

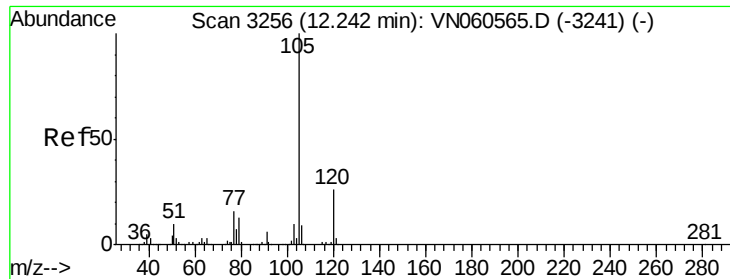
Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion:152	Resp:	122828
Ion Ratio	Lower	Upper
152	100	
115	60.0	30.2 90.6
150	163.6	0.0 350.2





#73

Isopropylbenzene

Concen: 20.270 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion: 105 Resp: 186847

Ion Ratio Lower Upper

105 100

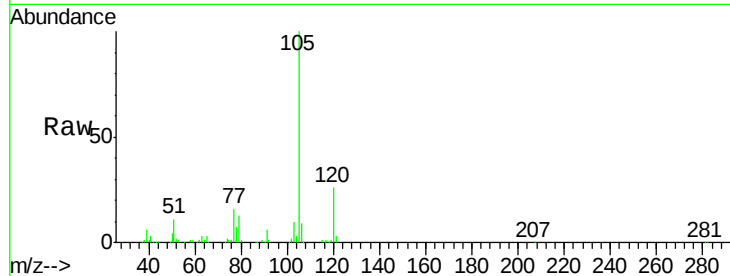
120 26.2 13.1 39.1

Manual Integrations

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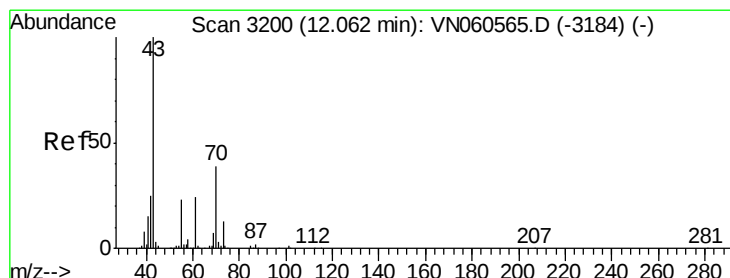
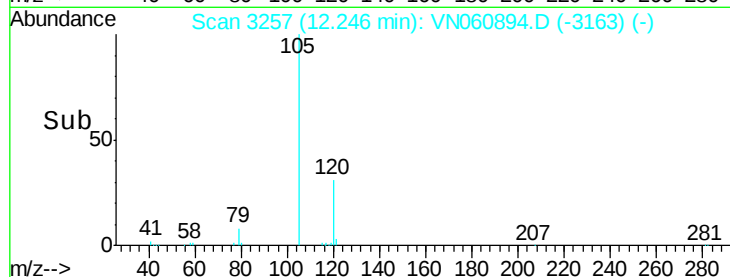
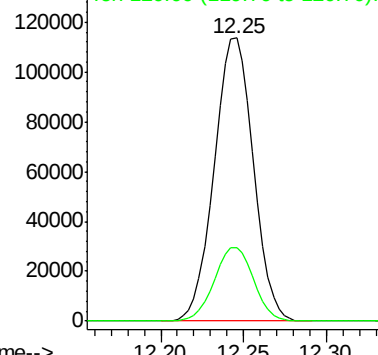
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.798 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion: 43 Resp: 84327

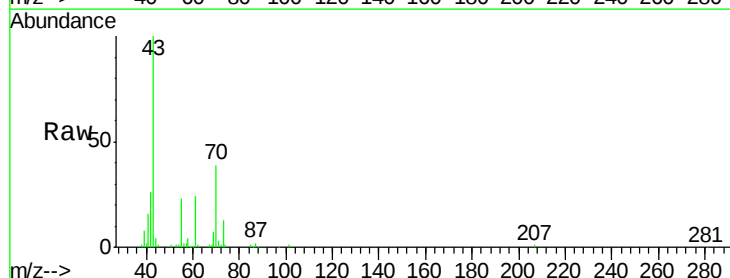
Ion Ratio Lower Upper

43 100

70 39.1 31.1 46.7

55 23.7 18.6 27.8

61 23.0 18.9 28.3

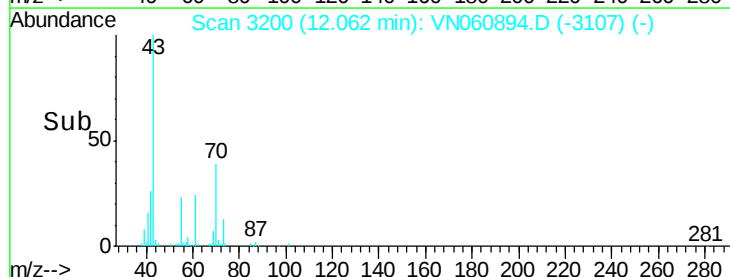
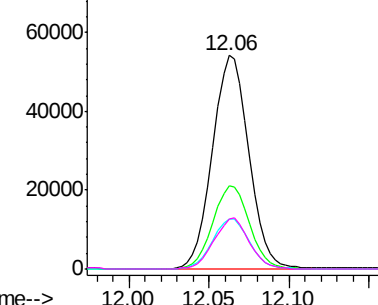


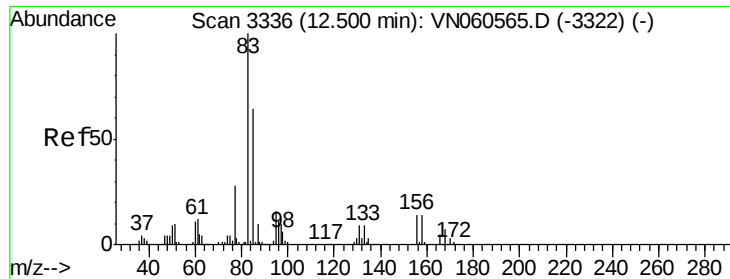
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.202 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

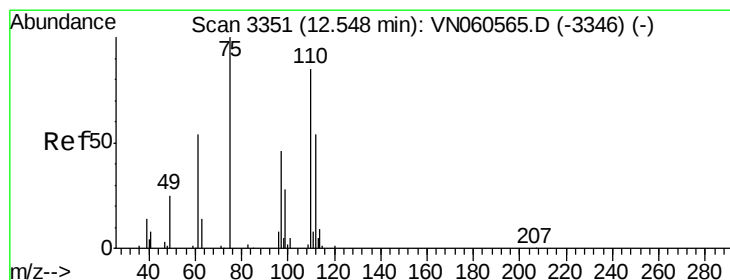
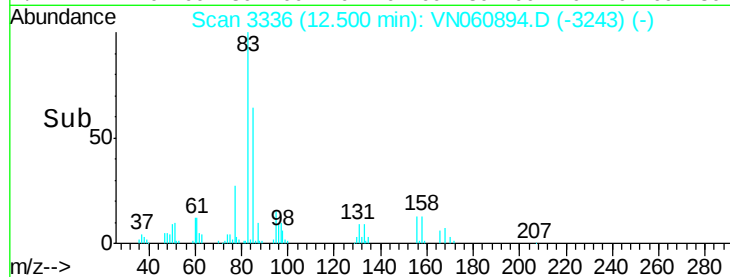
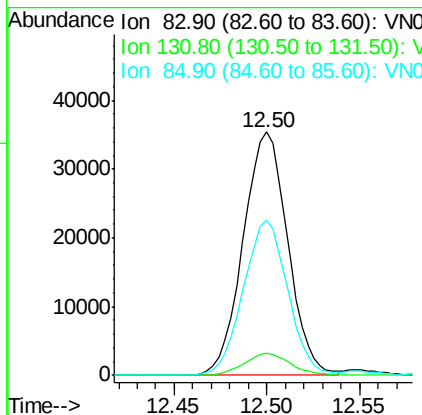
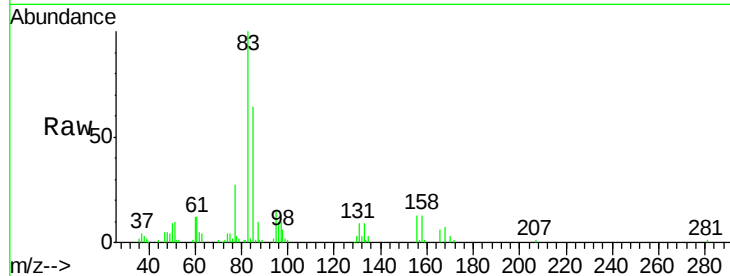
ClientSampleId :

VN0408WBSD01

Tot Ion:	83	Resp:	59101
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.2	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.964 ug/l m

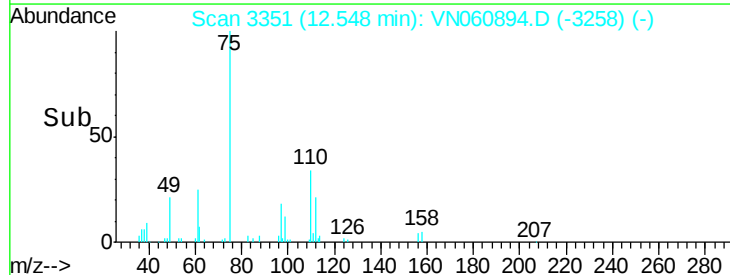
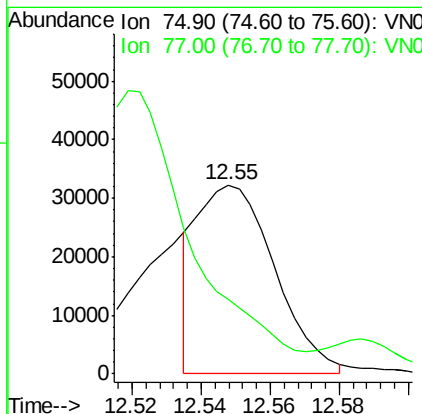
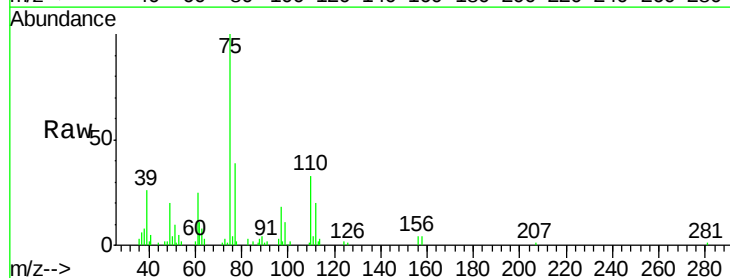
RT: 12.55 min Scan# 3351

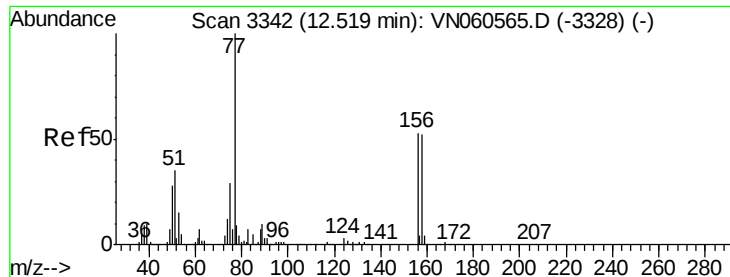
Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Tgt Ion:	75	Resp:	50261
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.108 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBSD01

Tot Ion:156 Resp: 44662

Ion Ratio Lower Upper

156 100

77 226.6 112.3 337.0

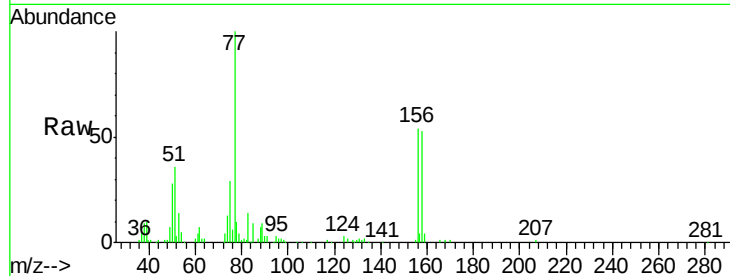
158 98.5 48.6 145.8

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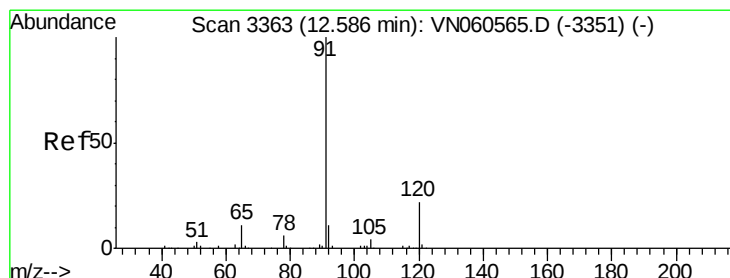
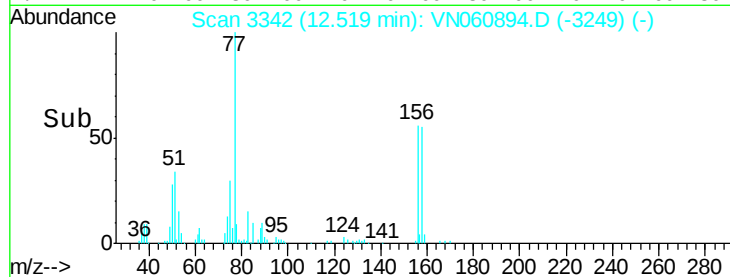
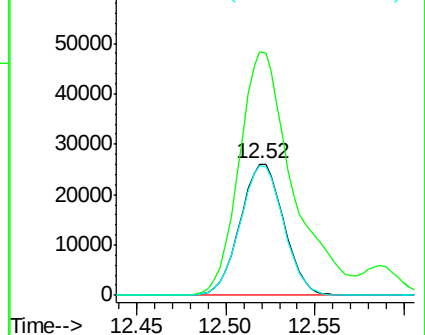
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.326 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060894.D

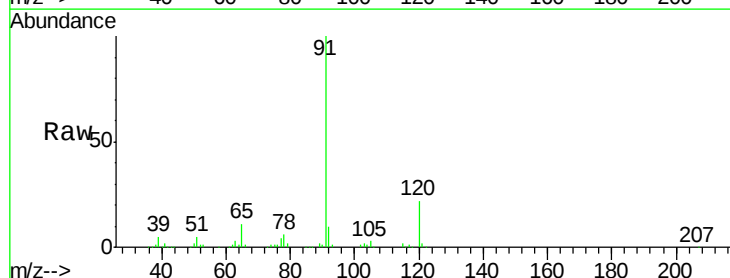
Acq: 8 Apr 2020 12:38

Tgt Ion: 91 Resp: 221353

Ion Ratio Lower Upper

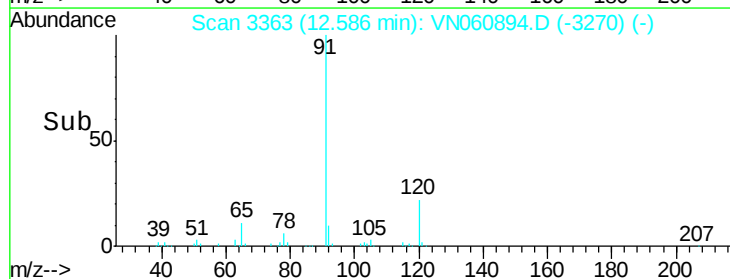
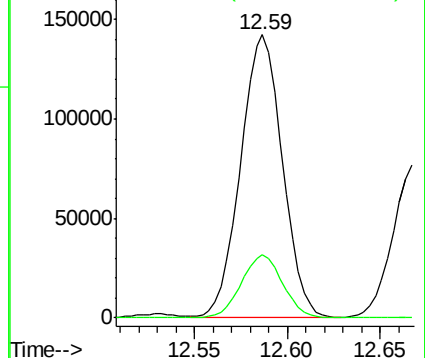
91 100

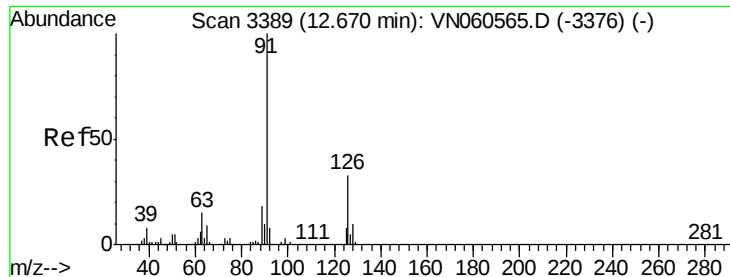
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.038 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion: 91 Resp: 130386

Ion Ratio Lower Upper

91 100

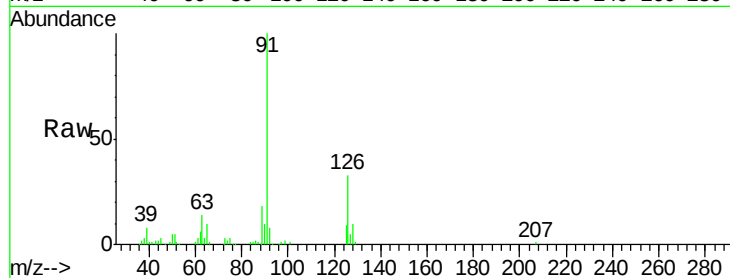
126 32.9 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060894.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060894.D (-3296) (-)

150000

100000

50000

0

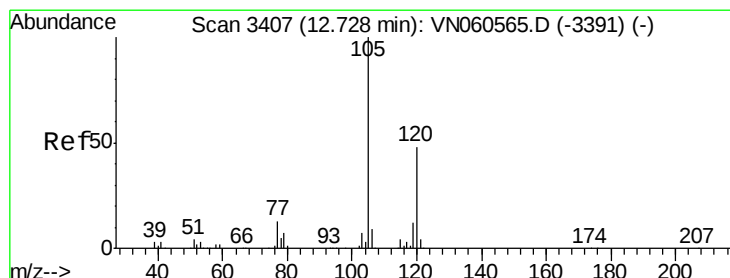
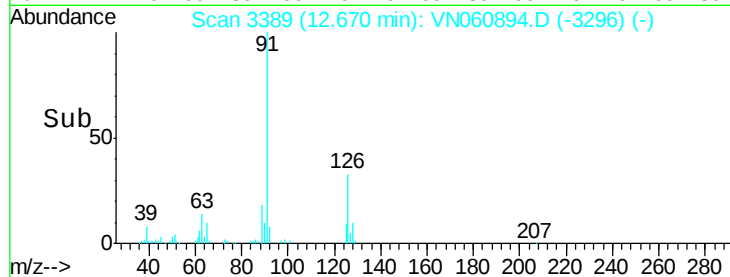
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060894.D

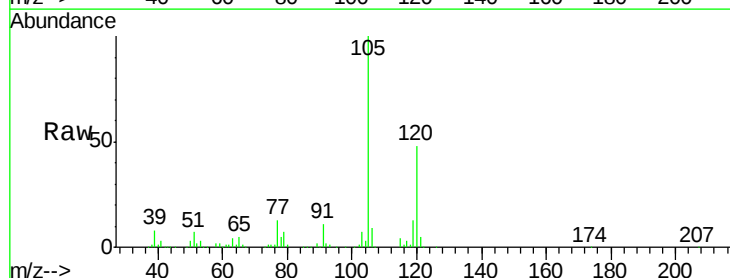
Acq: 8 Apr 2020 12:38

Tgt Ion:105 Resp: 158227

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060894.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060894.D (-3314) (-)

100000

80000

60000

40000

20000

0

12.73

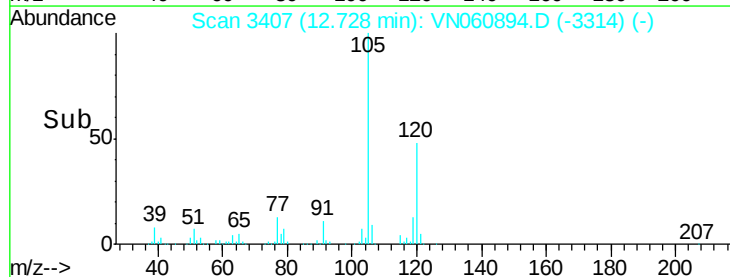
12.65

12.70

12.75

12.80

Time-->





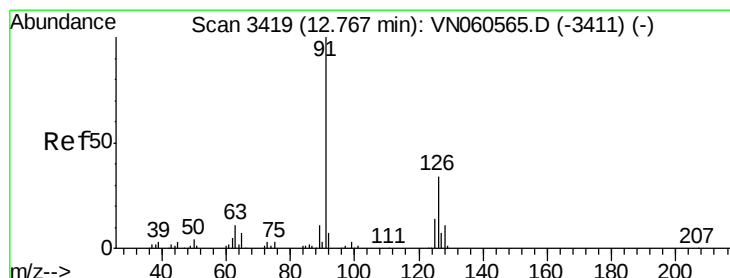
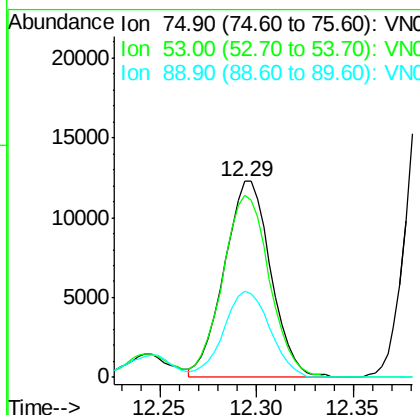
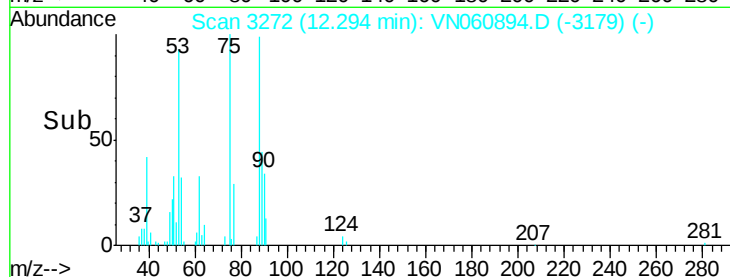
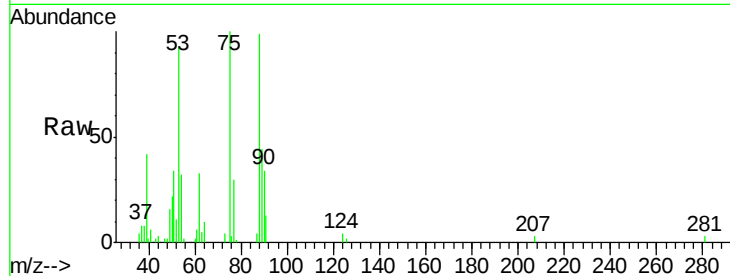
#81
trans-1,4-Dichloro-2-butene
Concen: 19.936 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.0	109.4
89	43.8	34.8	52.2

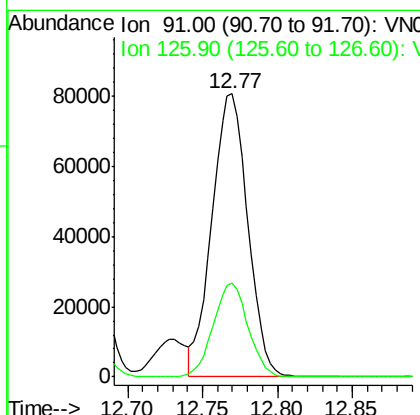
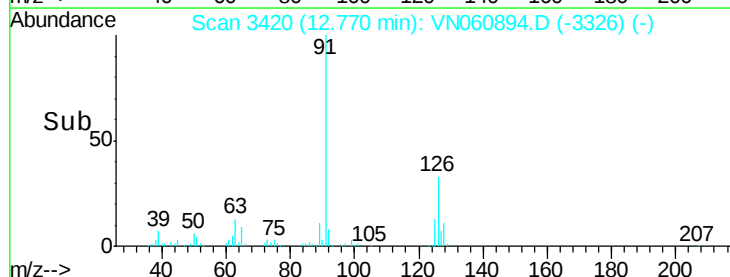
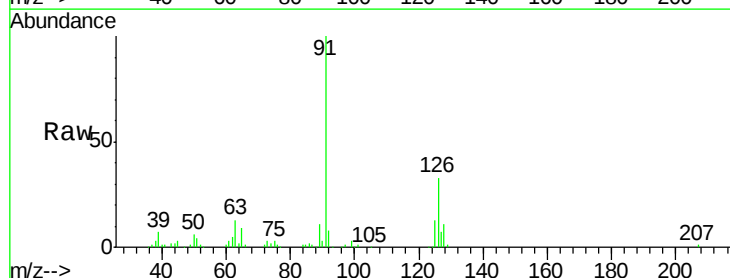
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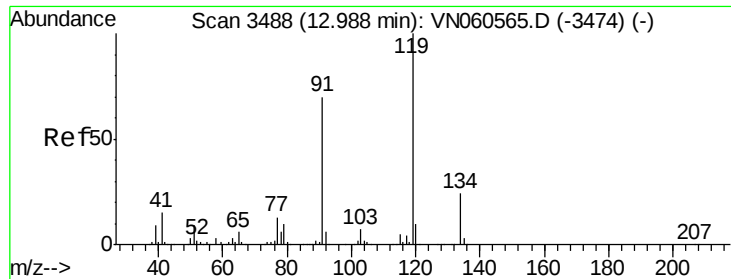
apatel
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#82
4-Chlorotoluene
Concen: 20.330 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





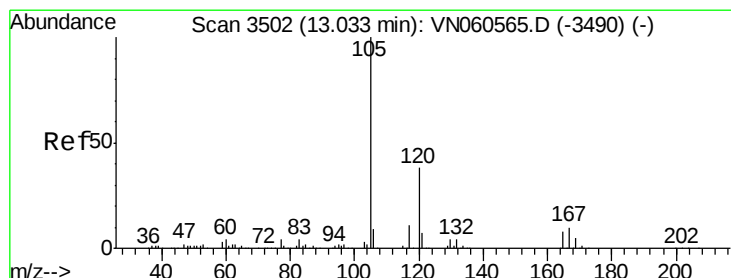
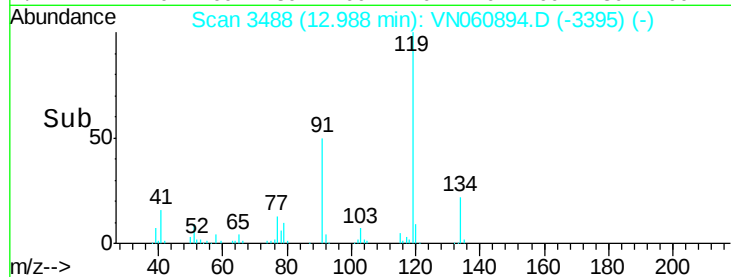
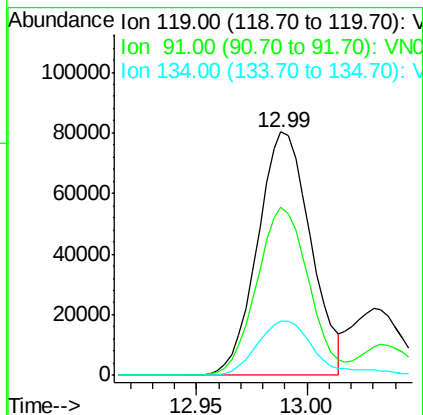
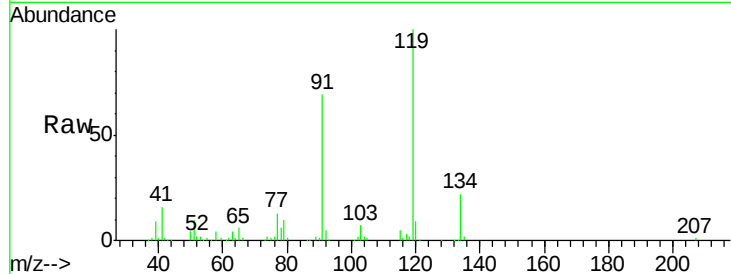
#83
 tert-Butylbenzene
 Concen: 20.621 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	101.8
134	24.8	12.7	38.0

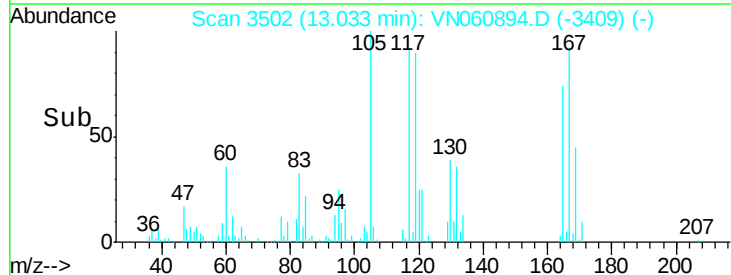
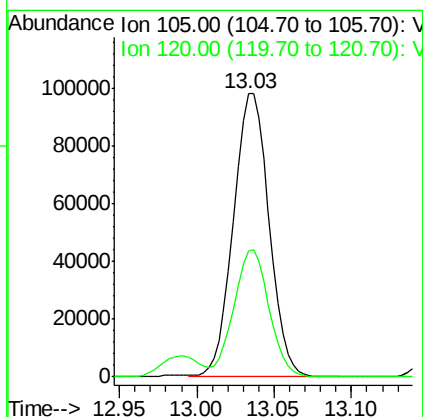
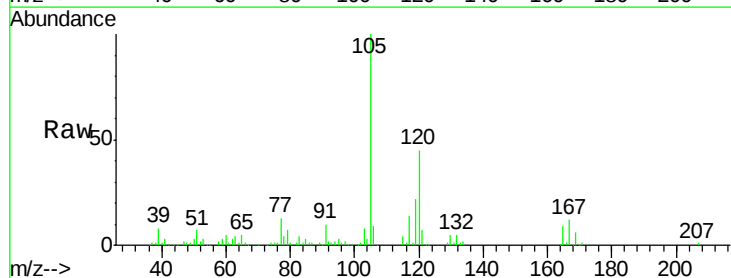
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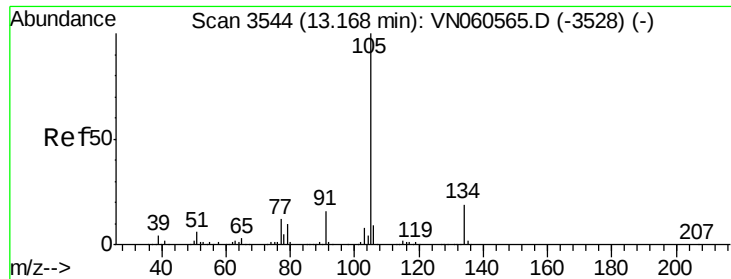
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.362 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 20.866 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0408WBSD01

Tot Ion:105 Resp: 181944

Ion Ratio Lower Upper

105 100

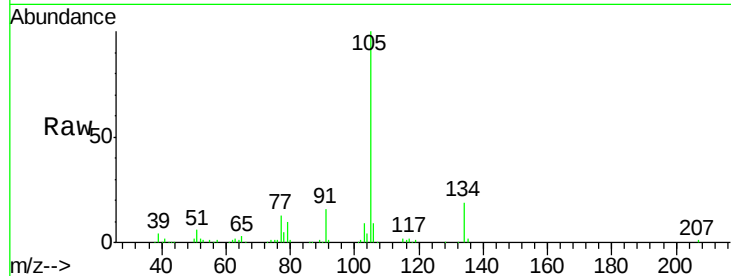
134 19.1 9.6 28.8

Manual Integrations

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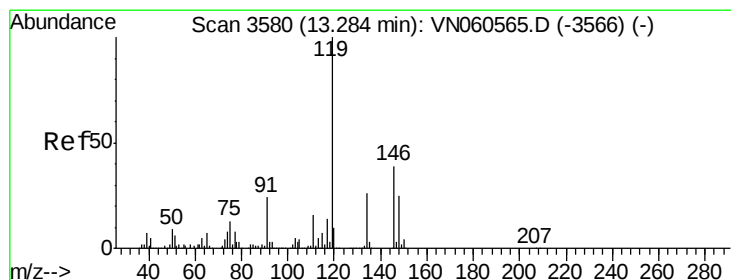
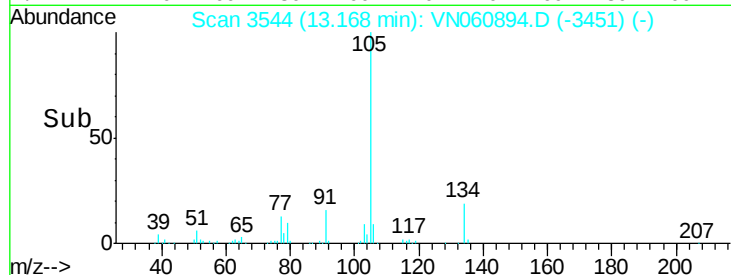
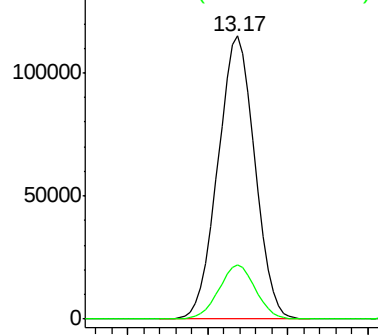
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.624 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060894.D

Acq: 8 Apr 2020 12:38

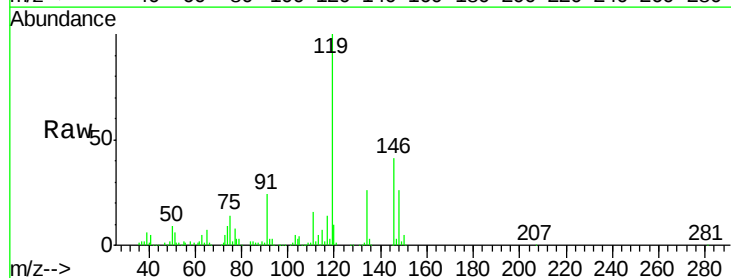
Tgt Ion:119 Resp: 161715

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

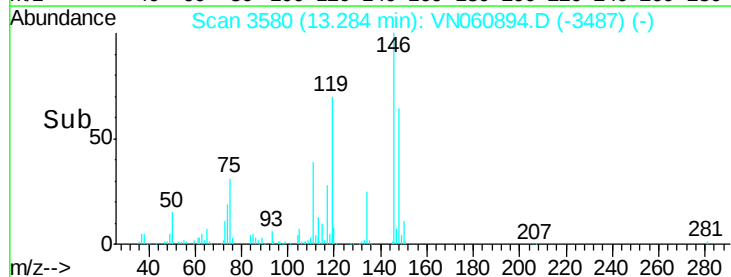
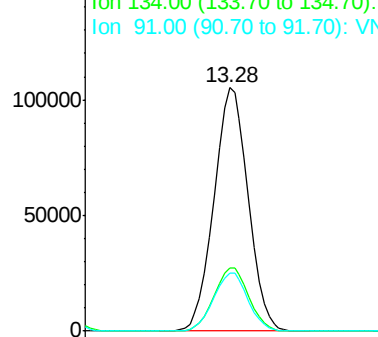
91 24.2 12.0 36.0

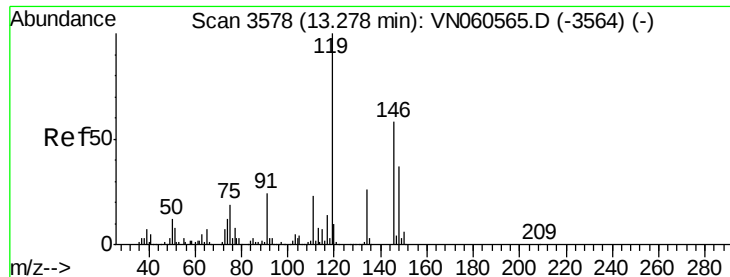


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





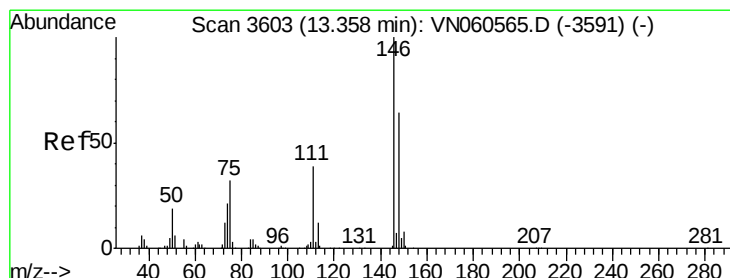
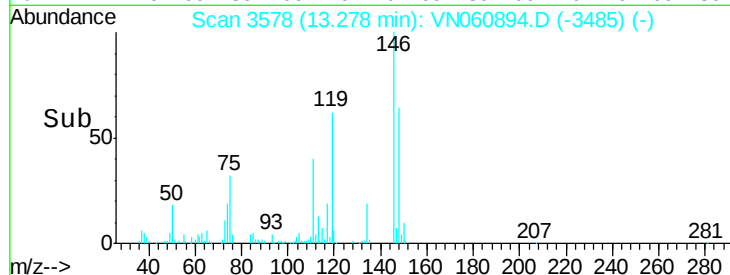
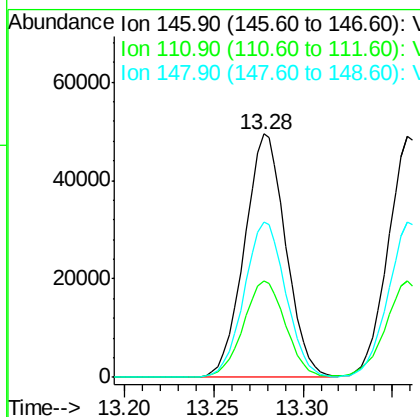
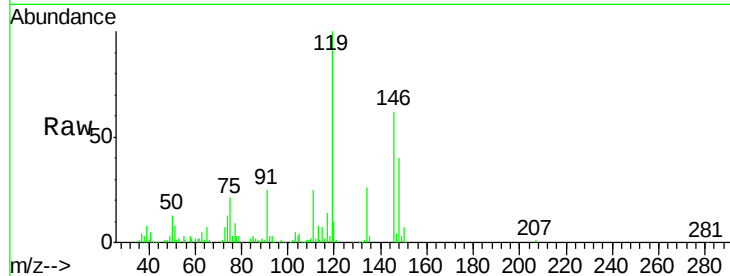
#87
 1,3-Dichlorobenzene
 Concen: 20.495 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	64.2	32.5	97.4

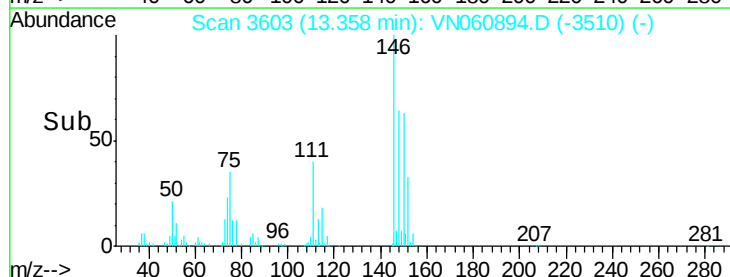
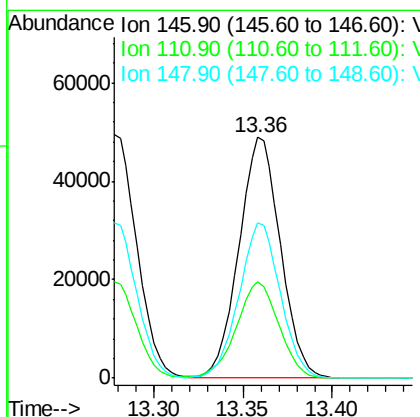
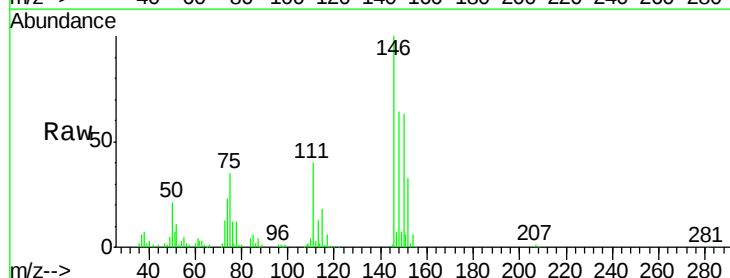
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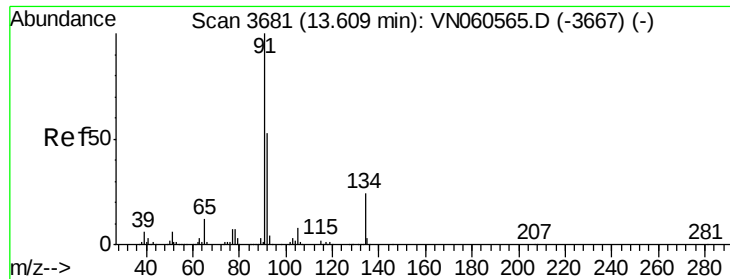
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#88
 1,4-Dichlorobenzene
 Concen: 20.235 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.7
148	64.1	32.1	96.3





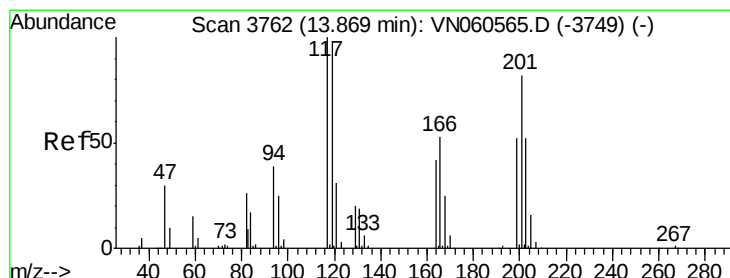
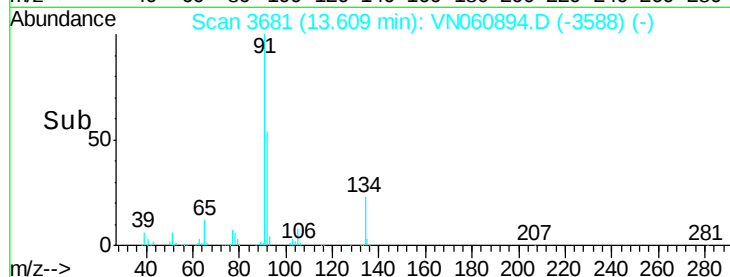
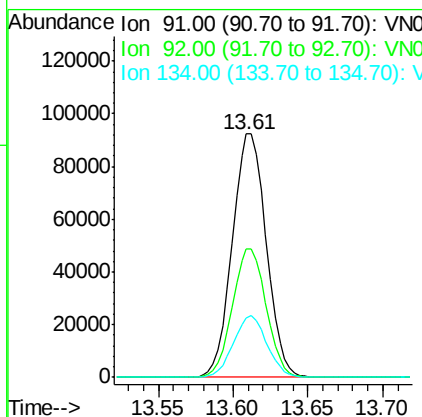
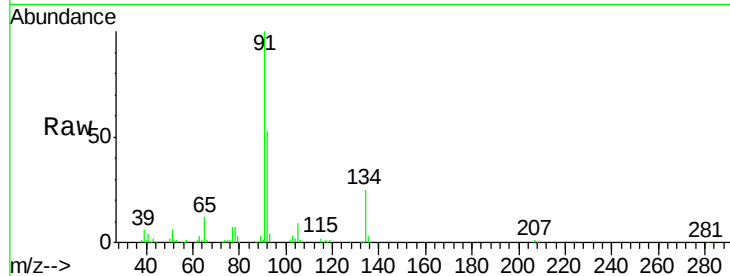
#89
n-Butylbenzene
Concen: 20.623 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	24.9	12.3	36.9

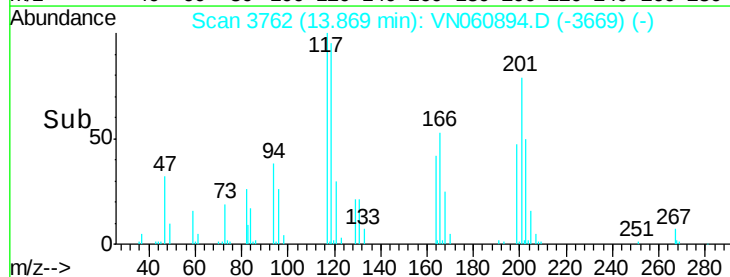
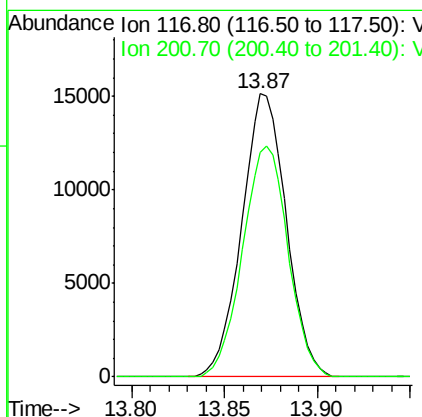
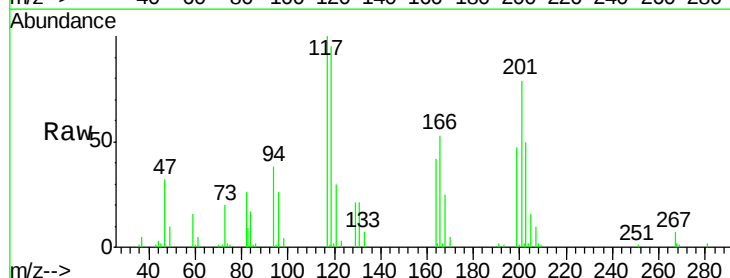
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#90
Hexachloroethane
Concen: 22.246 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	40.8	122.5





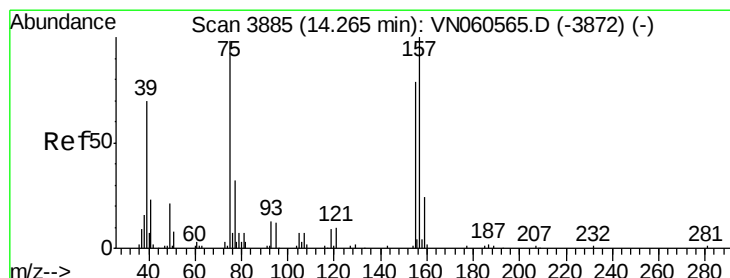
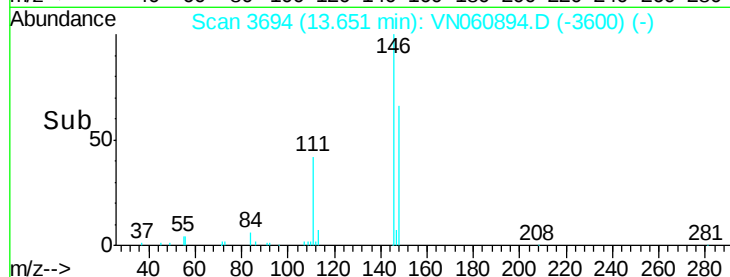
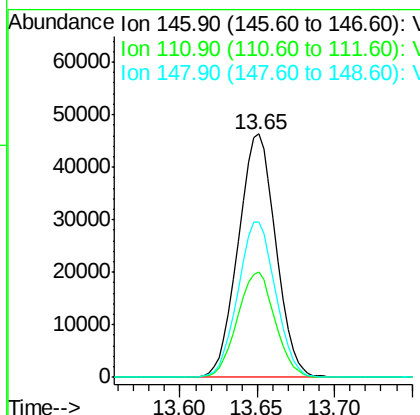
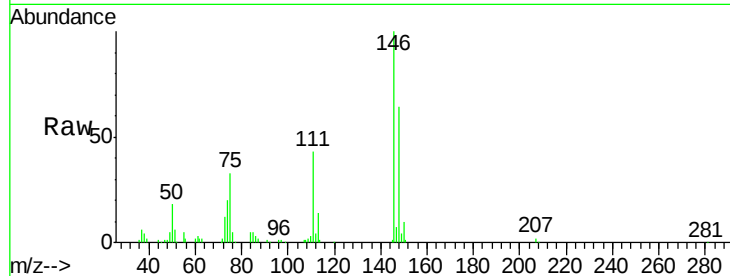
#91
 1,2-Dichlorobenzene
 Concen: 20.890 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.0	63.0
148	63.7	31.9	95.5

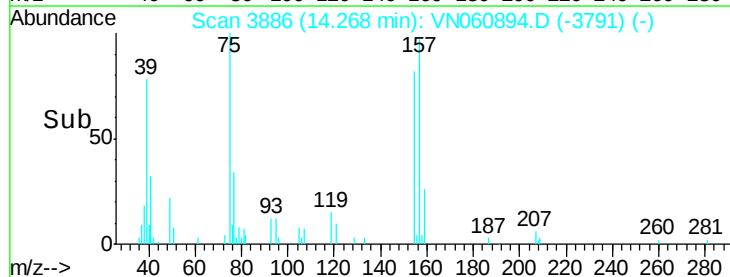
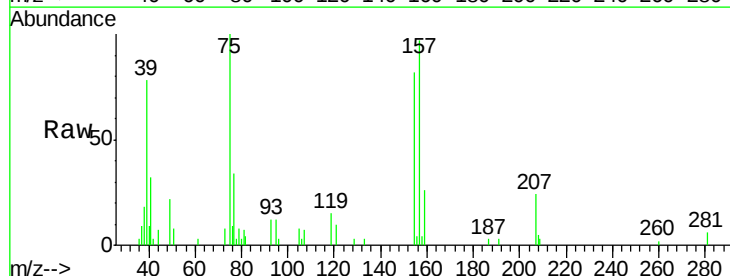
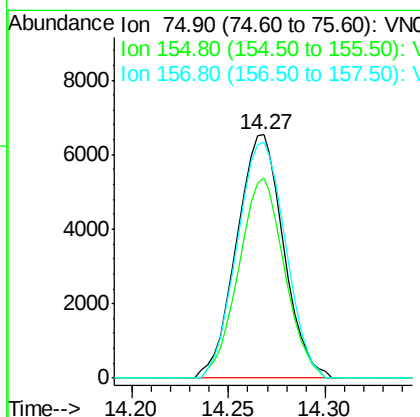
Manual Integrations
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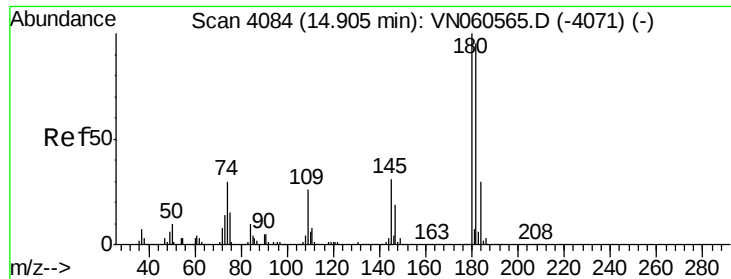
apatel
 4/9/2020 12:29:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.746 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.7	122.1
157	99.6	51.5	154.7





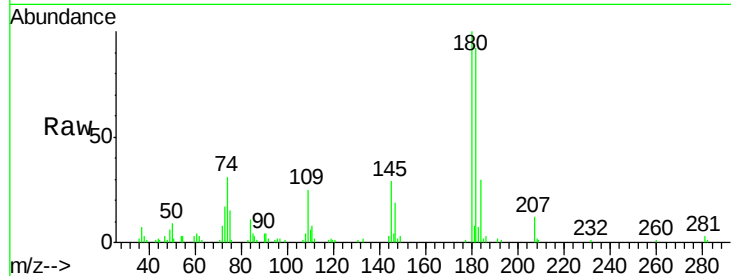
#93
 1,2,4-Trichlorobenzene
 Concen: 20.438 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

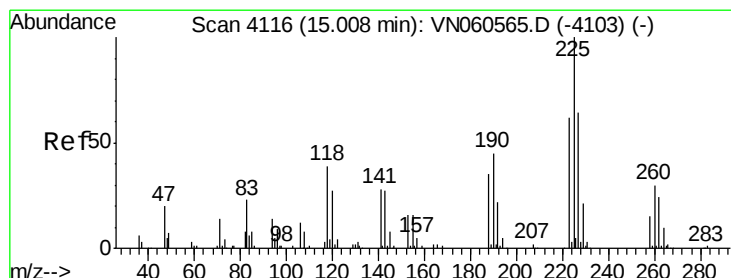
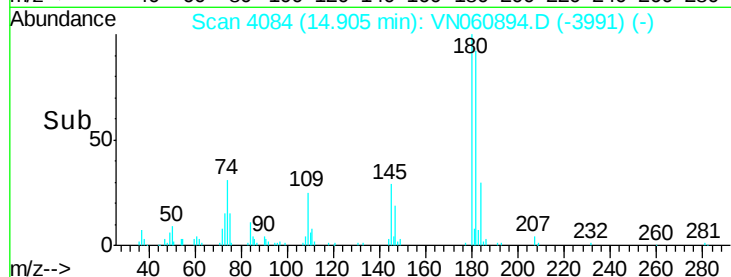
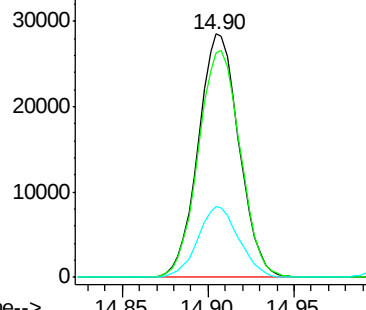
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	29.3	15.4	46.2

Manual Integrations
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 4/9/2020 12:29:39 PM

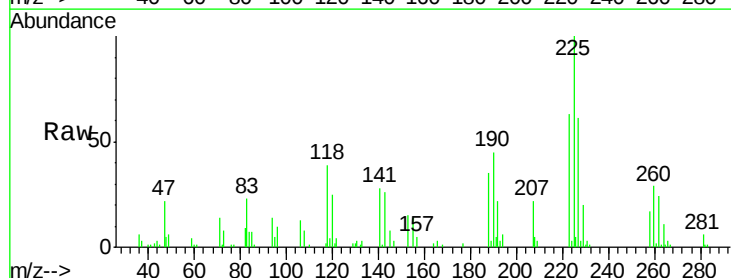


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

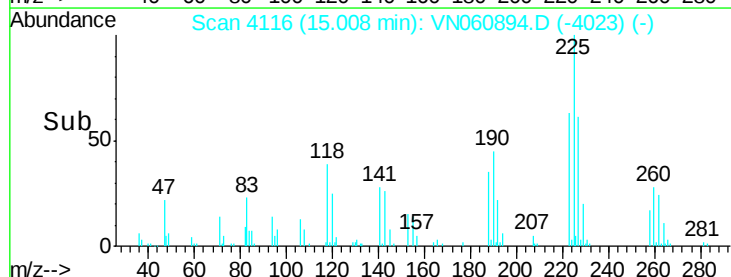
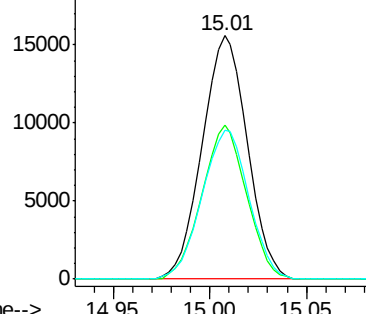


#94
 Hexachlorobutadiene
 Concen: 22.504 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060894.D
 Acq: 8 Apr 2020 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	63.4	32.3	96.8



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





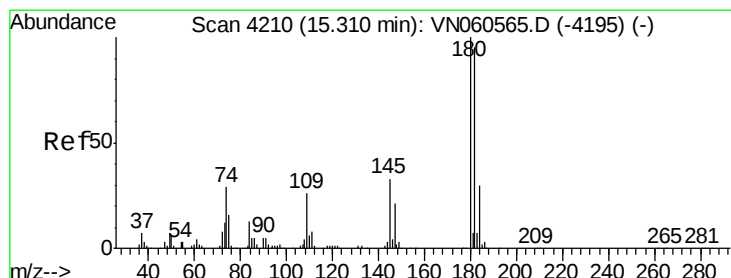
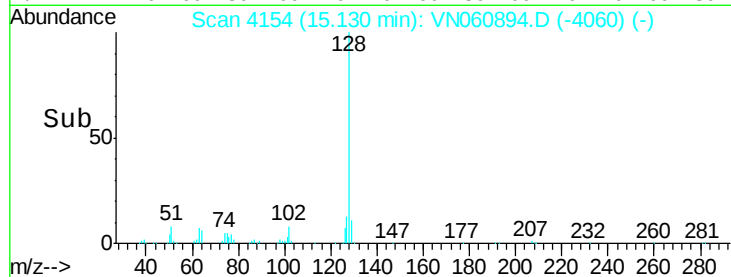
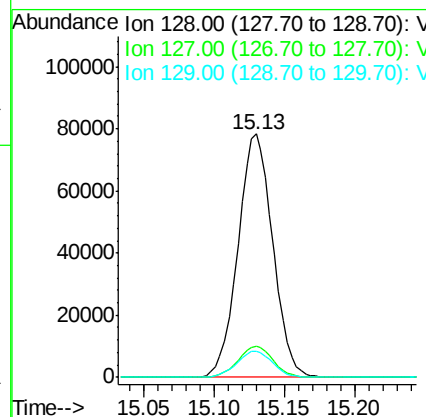
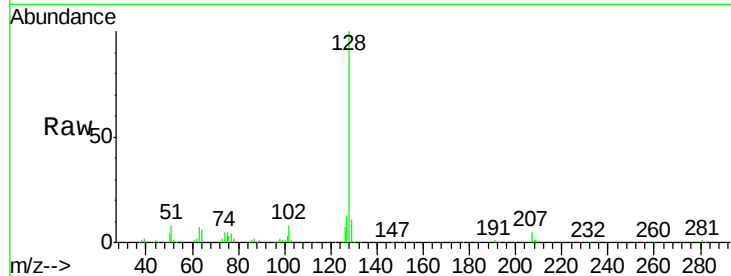
#95
Naphthalene
Concen: 19.531 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0408WBSD01

Tot Ion:	128	Resp:	135132
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
4/9/2020 12:29:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.023 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060894.D
Acq: 8 Apr 2020 12:38

Tgt Ion:	180	Resp:	47632
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.5	142.6
145	31.9	16.3	48.8

