

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011520\
 Data File : VN059713.D
 Acq On : 15 Jan 2020 11:49
 Operator : JC/MD
 Sample : VN0115WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 10:56:58 AM

Quant Time: Jan 16 04:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	252711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105617	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.56	113	89485	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.08	98	335158	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	118857	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44286	20.123	ug/l	97
3) Chloromethane	2.04	50	41897	19.910	ug/l	97
4) Vinyl Chloride	2.17	62	50433	20.946	ug/l	97
5) Bromomethane	2.54	94	30472	20.738	ug/l	94
6) Chloroethane	2.68	64	22725	19.950	ug/l	95
7) Trichlorofluoromethane	3.00	101	58759	20.321	ug/l	99
8) Diethyl Ether	3.38	74	21240	20.931	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33680	20.928	ug/l	93
10) Methyl Iodide	3.93	142	51337	19.735	ug/l	95
11) Tert butyl alcohol	4.73	59	33276	96.837	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	33629	19.998	ug/l	88
13) Acrolein	3.58	56	18181	74.743	ug/l	100
14) Allyl chloride	4.29	41	51073	22.532	ug/l #	95
15) Acrylonitrile	4.94	53	79677	101.649	ug/l	99
16) Acetone	3.78	43	73635	99.750	ug/l	95
17) Carbon Disulfide	4.03	76	94048	19.632	ug/l	99
18) Methyl Acetate	4.29	43	48777	20.458	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	113077	20.624	ug/l	96
20) Methylene Chloride	4.52	84	37703	19.630	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	36365	20.343	ug/l	84
22) Diisopropyl ether	5.91	45	105190	20.478	ug/l	94
23) Vinyl Acetate	5.86	43	400212	100.631	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	63090	20.101	ug/l	97
25) 2-Butanone	6.80	43	108622	93.969	ug/l	93
26) 2,2-Dichloropropane	6.79	77	57791	19.153	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	41779	20.320	ug/l	86
28) Bromochloromethane	7.17	49	25043	19.963	ug/l #	71
29) Tetrahydrofuran	7.18	42	68602	95.920	ug/l #	87
30) Chloroform	7.35	83	66416	20.423	ug/l	100
31) Cyclohexane	7.63	56	58025	19.213	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	61495	20.452	ug/l	96
36) 1,1-Dichloropropene	7.77	75	48481	19.756	ug/l	94
37) Ethyl Acetate	6.90	43	43537	18.915	ug/l	95
38) Carbon Tetrachloride	7.75	117	53816	20.160	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	60262	19.915	ug/l	93
40) Benzene	8.02	78	146516	20.019	ug/l	99
41) Methacrylonitrile	7.15	41	20486m	18.070	ug/l	
42) 1,2-Dichloroethane	8.10	62	52017	20.962	ug/l	96
43) Isopropyl Acetate	8.14	43	77121	19.480	ug/l #	94
44) Trichloroethene	8.82	130	42125	21.084	ug/l	93
45) 1,2-Dichloropropane	9.10	63	37883	20.918	ug/l	97
46) Dibromomethane	9.19	93	26860	21.025	ug/l	90
47) Bromodichloromethane	9.39	83	53182	20.658	ug/l	100
48) Methyl methacrylate	9.18	41	34361	19.404	ug/l #	89
49) 1,4-Dioxane	9.18	88	13417	413.880	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	225090	98.355	ug/l	96
52) Toluene	10.14	92	94323	20.403	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	59079	20.552	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62912	20.800	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	38143	20.832	ug/l	98
56) Ethyl methacrylate	10.42	69	56279	20.116	ug/l	90
57) 1,3-Dichloropropane	10.70	76	62030	21.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	96423	114.426	ug/l #	90
59) 2-Hexanone	10.74	43	163026	96.695	ug/l	94
60) Dibromochloromethane	10.89	129	43311	20.773	ug/l	100
61) 1,2-Dibromoethane	10.99	107	40264	20.981	ug/l	99
64) Tetrachloroethene	10.62	164	39880	19.363	ug/l	95
65) Chlorobenzene	11.43	112	103069	20.750	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39322	20.488	ug/l	98
67) Ethyl Benzene	11.50	91	183405	20.340	ug/l	98
68) m/p-Xylenes	11.61	106	141435	41.525	ug/l	93
69) o-Xylene	11.94	106	69273	20.774	ug/l	93
70) Styrene	11.96	104	113485	20.338	ug/l	97
71) Bromoform	12.12	173	32306	21.014	ug/l #	99
73) Isopropylbenzene	12.25	105	181205	20.132	ug/l	99
74) N-amyl acetate	12.07	43	65246	18.681	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	52941	20.289	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50481m	24.441	ug/l	
77) Bromobenzene	12.52	156	46798	20.531	ug/l	81
78) n-propylbenzene	12.59	91	201863	19.981	ug/l	97
79) 2-Chlorotoluene	12.67	91	118303	19.684	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	152973	20.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18674	19.416	ug/l	92
82) 4-Chlorotoluene	12.77	91	121752	20.197	ug/l	95
83) tert-Butylbenzene	12.99	119	131741	20.123	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	153132	20.448	ug/l	99
85) sec-Butylbenzene	13.17	105	171811	19.974	ug/l	99
86) p-Isopropyltoluene	13.28	119	157766	19.822	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	79983	20.201	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	80873	20.475	ug/l	97
89) n-Butylbenzene	13.61	91	133014	19.601	ug/l	98
90) Hexachloroethane	13.87	117	29128	19.561	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	79810	20.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11453	19.161	ug/l	83

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Misc : 5.00mL/MSVOA N/WATER
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ClientSampleId :
VN0115WBSD01

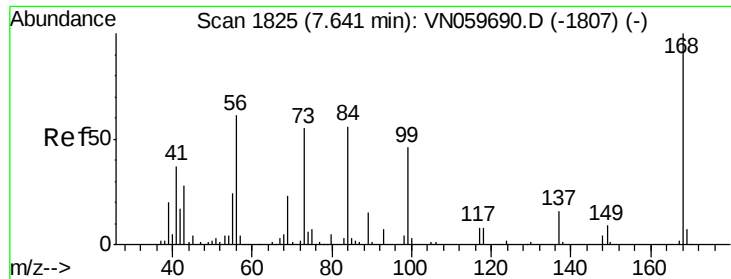
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48834	20.763	ug/l	99
94) Hexachlorobutadiene	15.01	225	26317	20.305	ug/l	99
95) Naphthalene	15.13	128	133140	19.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46378	20.258	ug/l	98

(#) = 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

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion:168 Resp: 183807

Ion Ratio Lower Upper

168 100

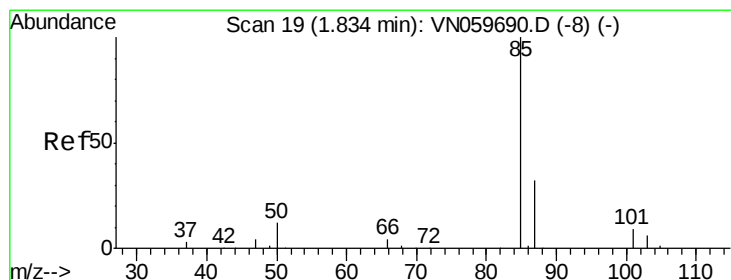
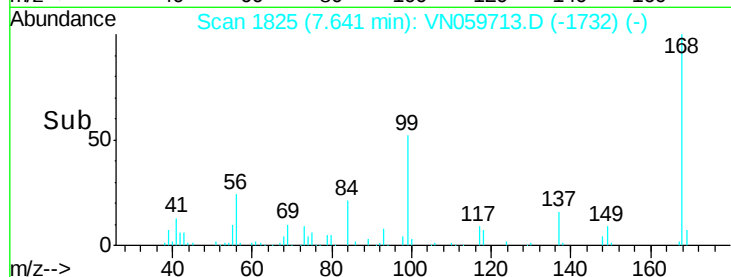
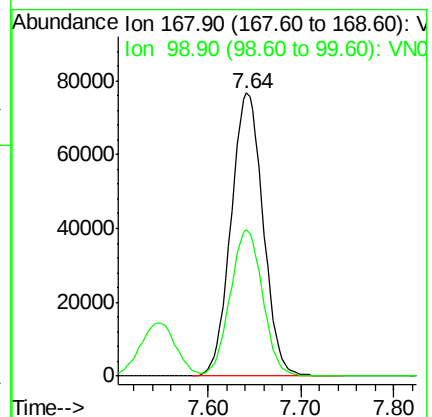
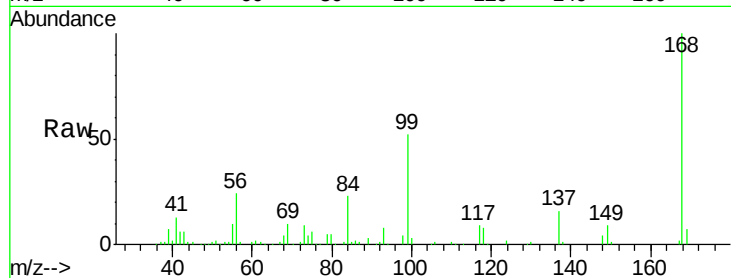
99 51.6 48.2 72.4

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1/16/2020 10:56:58 AM



#2

Dichlorodifluoromethane

Concen: 20.123 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059713.D

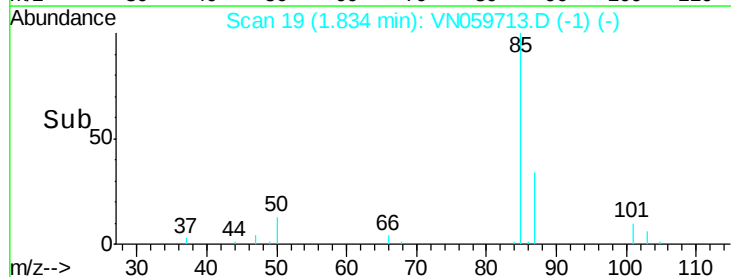
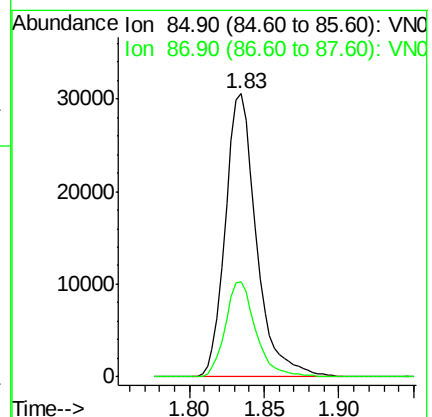
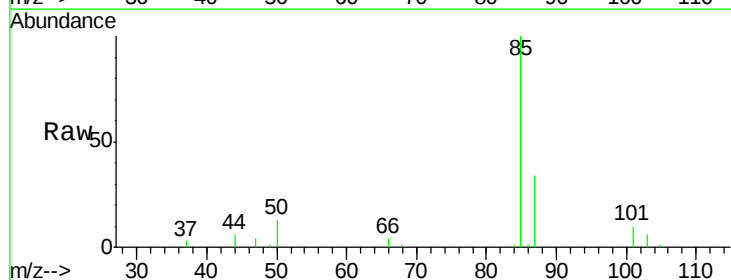
Acq: 15 Jan 2020 11:49

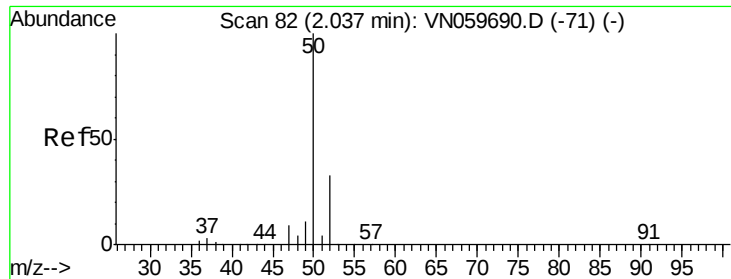
Tgt Ion: 85 Resp: 44286

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7





#3

Chloromethane

Concen: 19.910 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 50 Resp: 41897

Ion Ratio Lower Upper

50 100

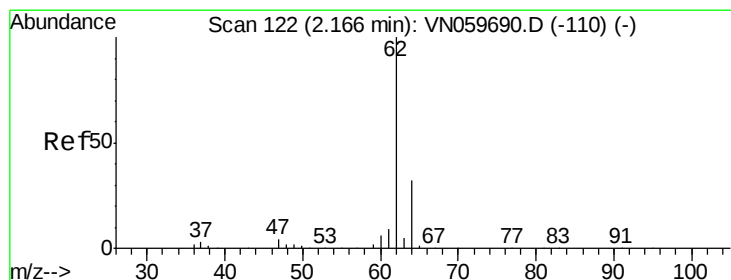
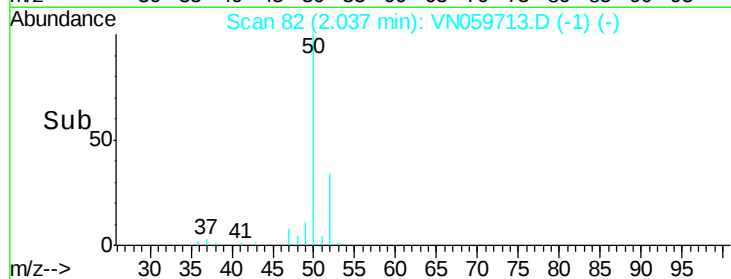
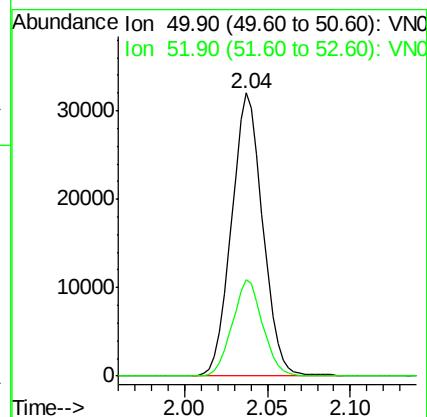
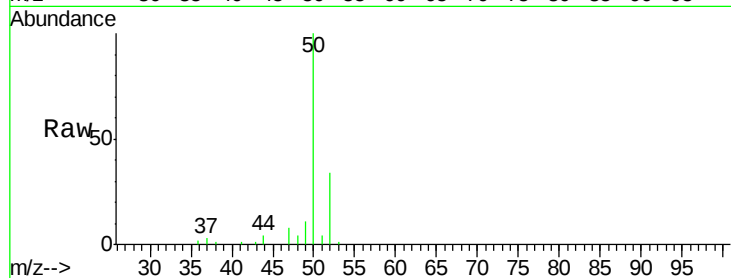
52 34.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.946 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059713.D

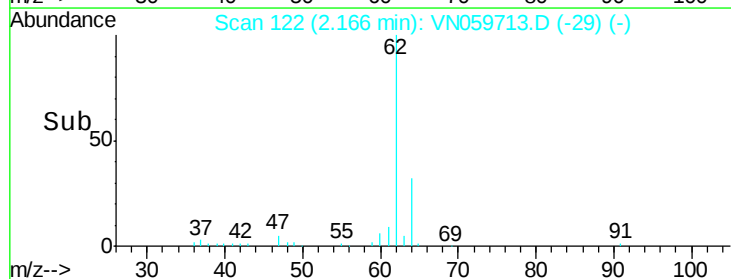
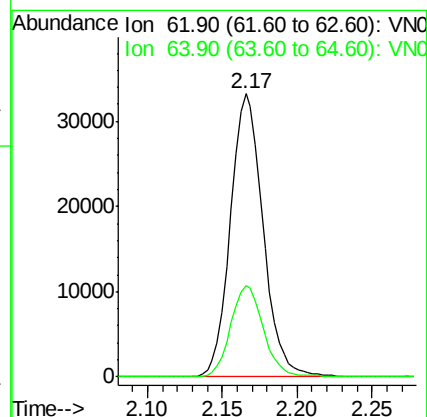
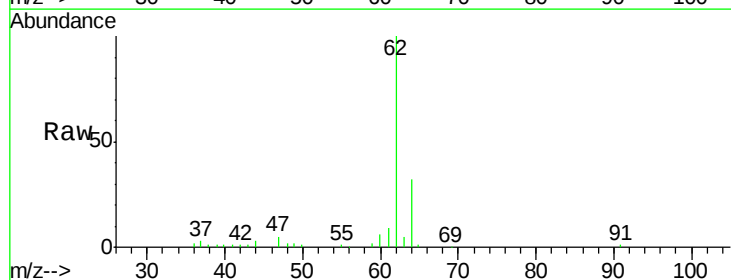
Acq: 15 Jan 2020 11:49

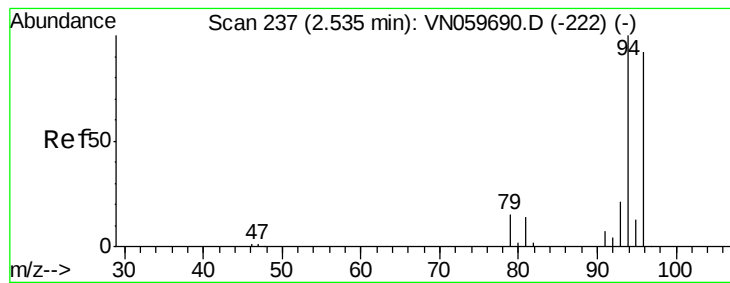
Tgt Ion: 62 Resp: 50433

Ion Ratio Lower Upper

62 100

64 32.4 24.6 37.0





#5

Bromomethane

Concen: 20.738 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 94 Resp: 30472

Ion Ratio Lower Upper

94 100

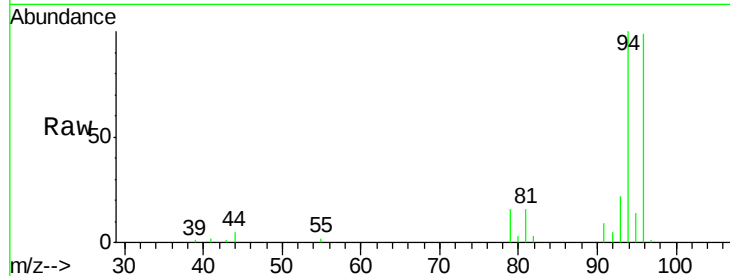
96 98.7 74.7 112.1

Manual Integrations

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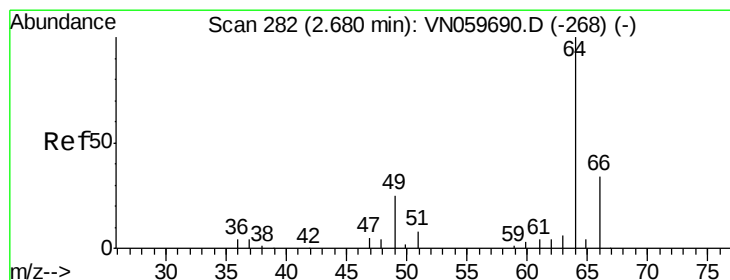
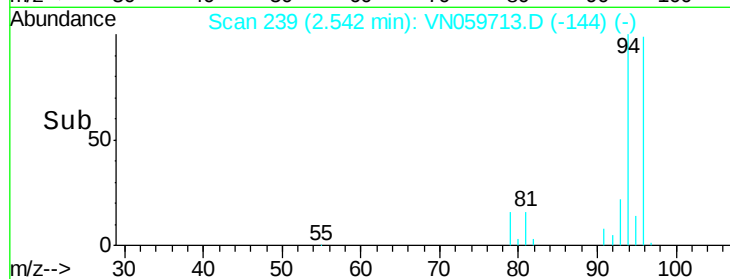
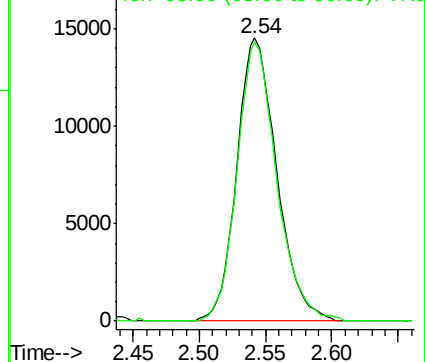
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.950 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059713.D

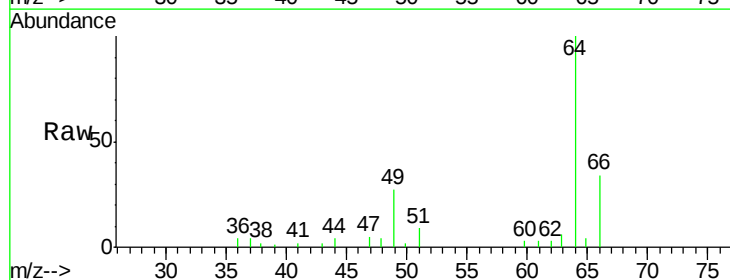
Acq: 15 Jan 2020 11:49

Tgt Ion: 64 Resp: 22725

Ion Ratio Lower Upper

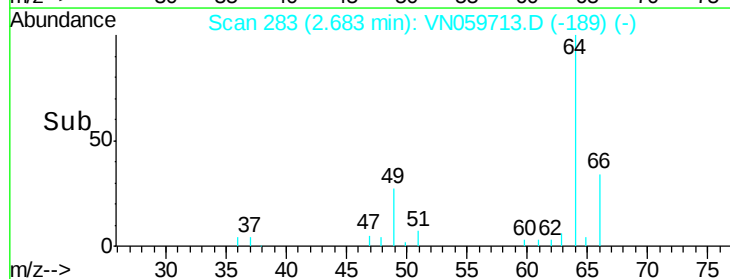
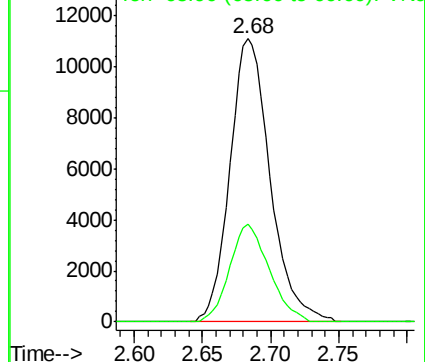
64 100

66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

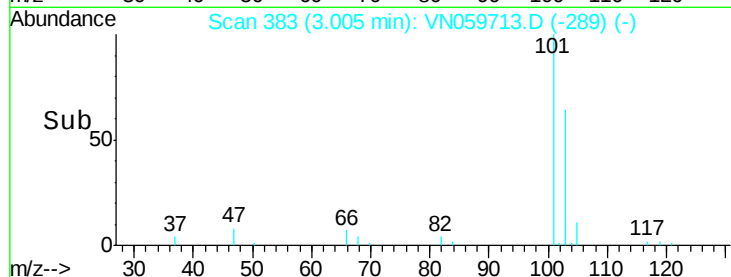
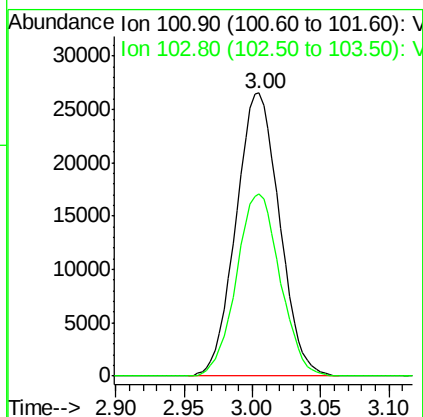
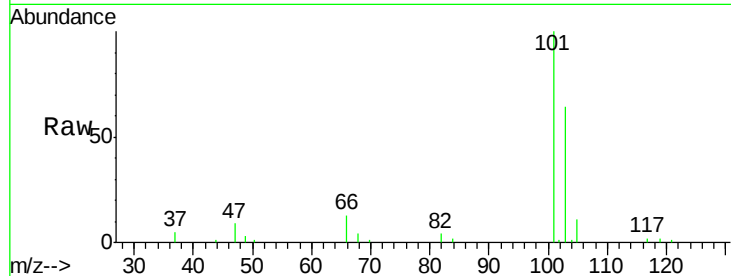
Trichlorofluoromethane
Concen: 20.321 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
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ClientSampleId :
VN0115WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		58759		
103	64.5	51.0	76.6		

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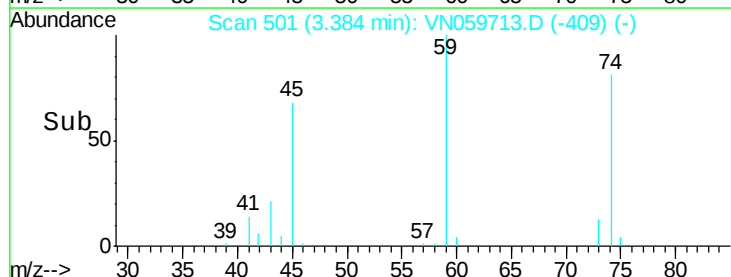
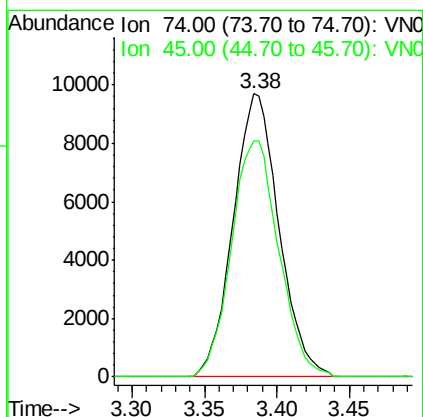
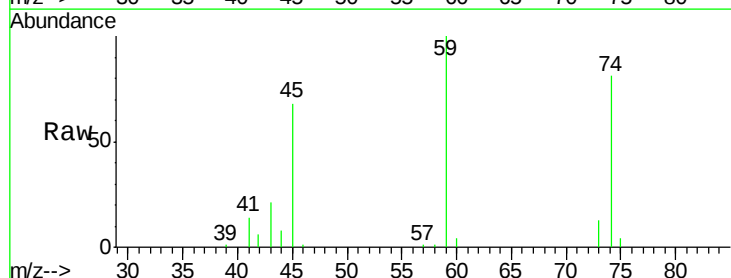
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#8

Diethyl Ether
Concen: 20.931 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21240		
45	86.4	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.928 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

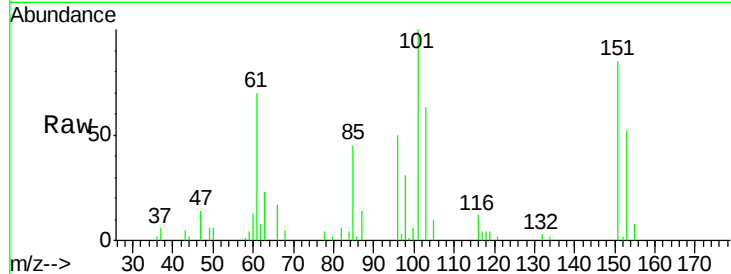
ClientSampleId :

VN0115WBSD01

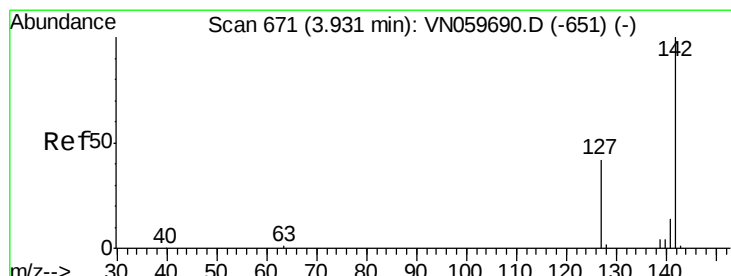
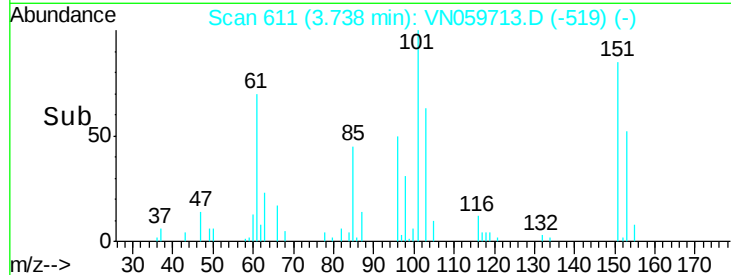
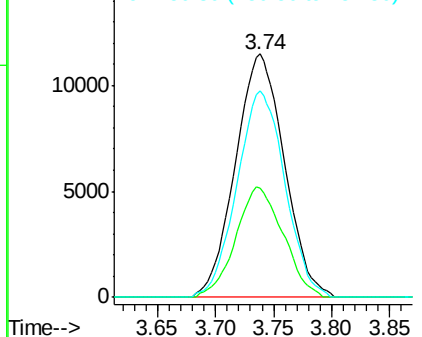
Tot Ion:	101	Resp:	33680
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.6	54.8
151	83.3	59.7	89.5

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1/16/2020 10:56:58 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.735 ug/l

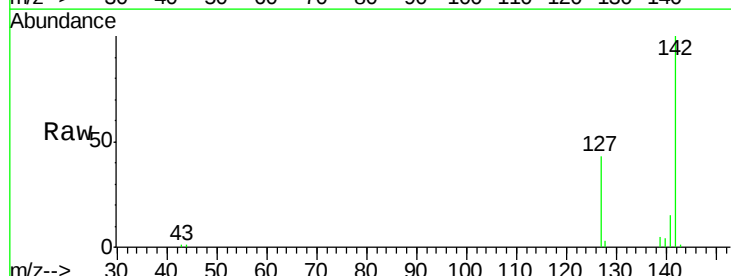
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

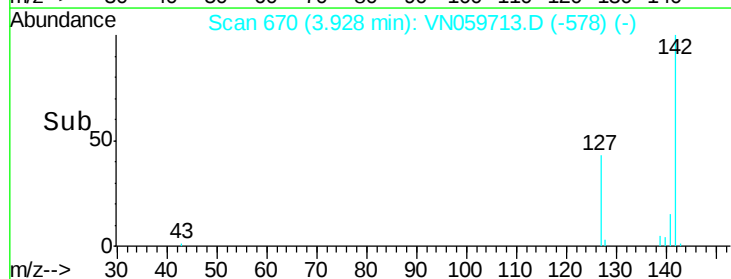
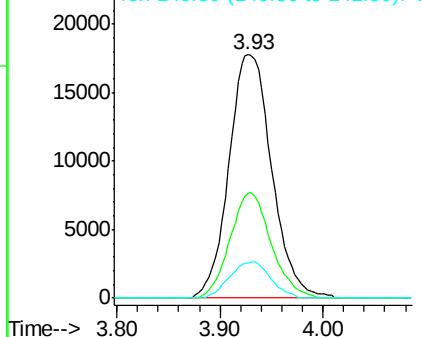
Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	142	Resp:	51337
Ion Ratio	Lower	Upper	
142	100		
127	41.6	36.7	55.1
141	14.2	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





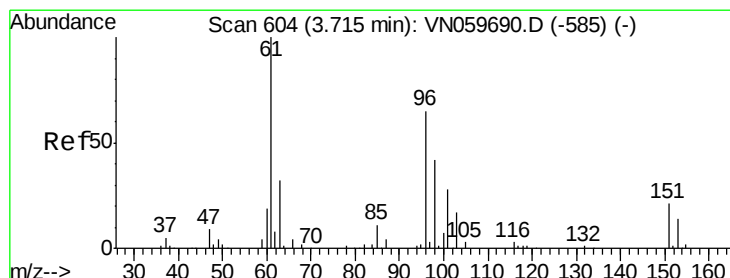
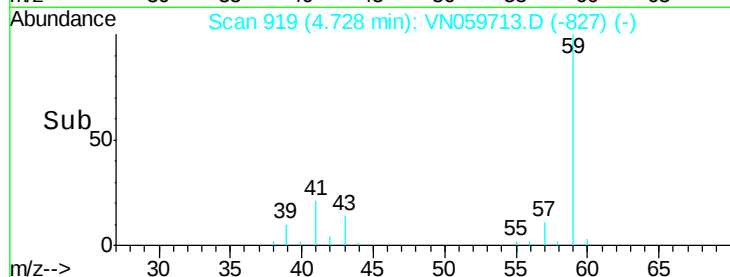
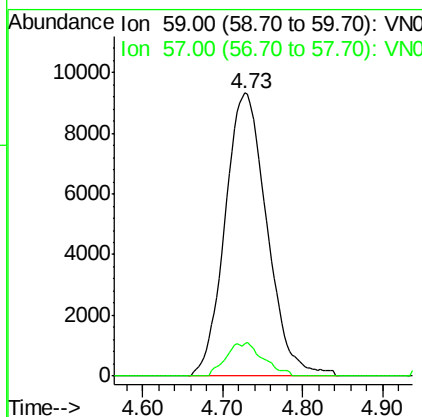
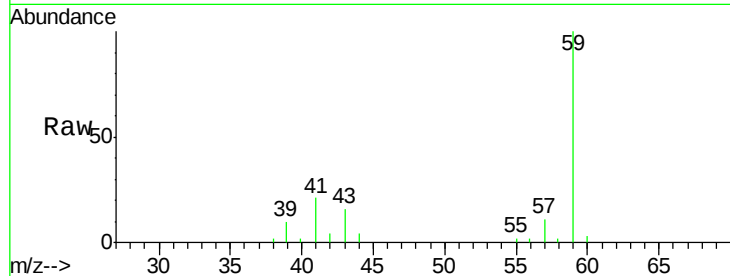
#11
Tert butyl alcohol
Concen: 96.837 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 59 Resp: 33276
Ion Ratio Lower Upper
59 100
57 5.0 8.6 12.8#

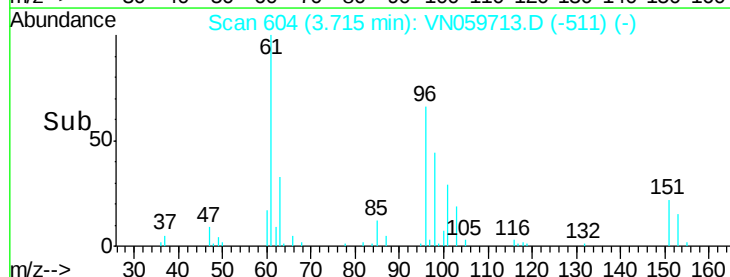
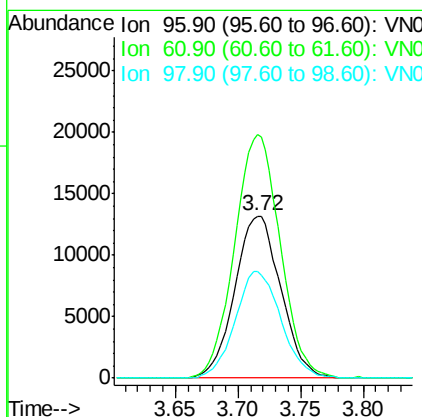
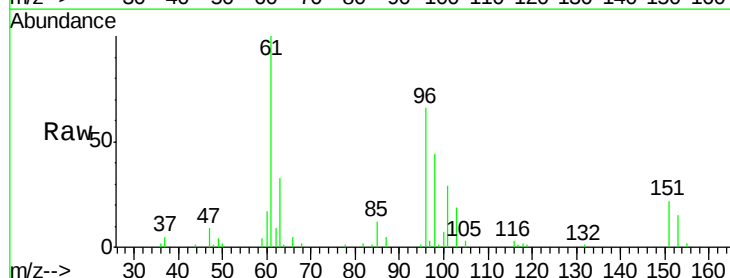
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 19.998 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion: 96 Resp: 33629
Ion Ratio Lower Upper
96 100
61 150.5 137.5 206.3
98 65.7 50.2 75.4





#13

Acrolein

Concen: 74.743 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 56 Resp: 18181

Ion Ratio Lower Upper

56 100

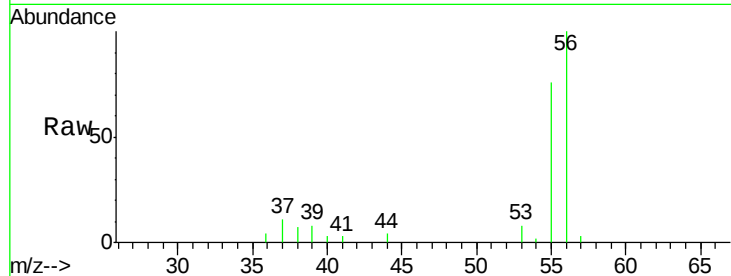
55 73.6 58.6 88.0

Manual Integrations

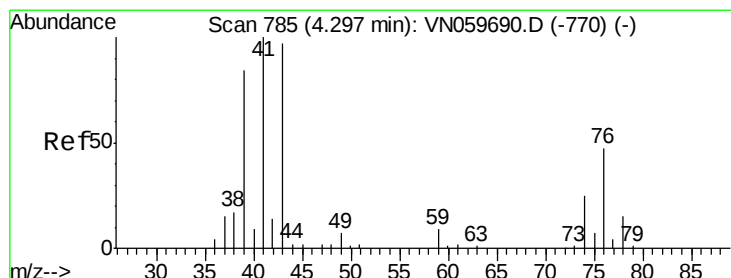
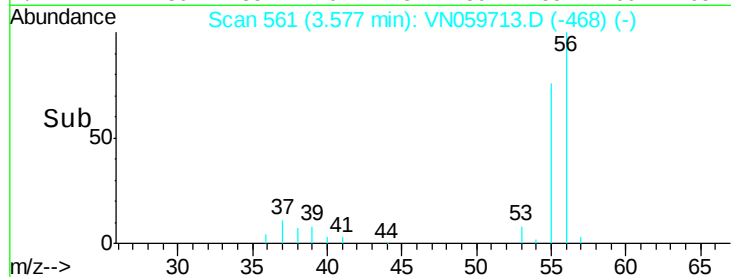
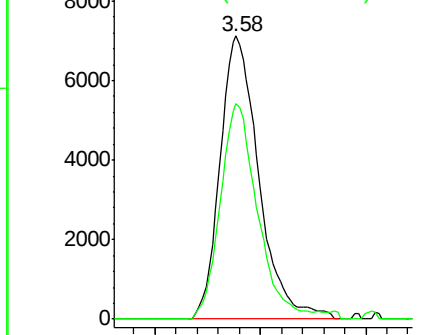
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Abundance Ion 56.00 (55.70 to 56.70): VN059713.D (-468) (-)



#14

Allyl chloride

Concen: 22.532 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

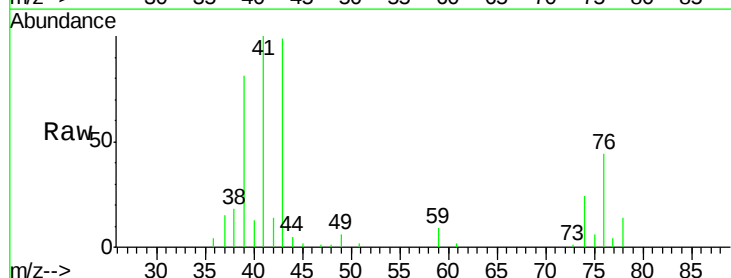
Tgt Ion: 41 Resp: 51073

Ion Ratio Lower Upper

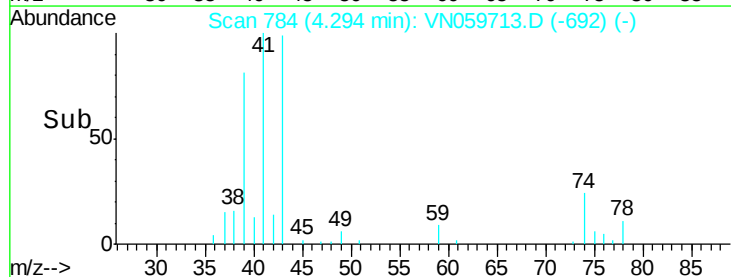
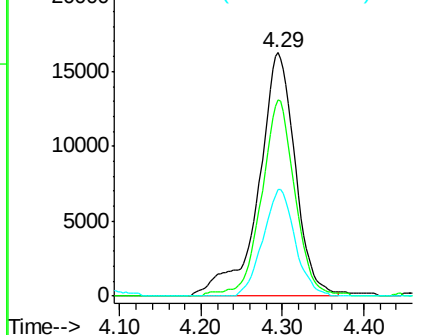
41 100

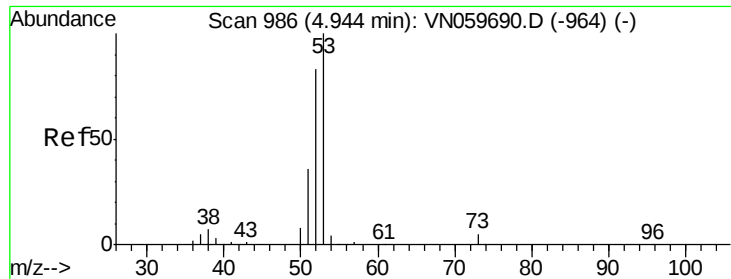
39 73.4 57.8 86.8

76 38.2 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059713.D (-692) (-)





#15

Acrylonitrile

Concen: 101.649 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

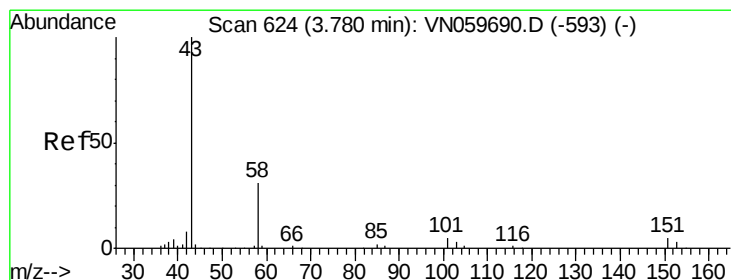
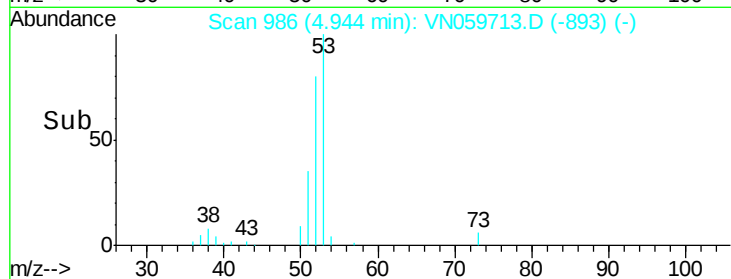
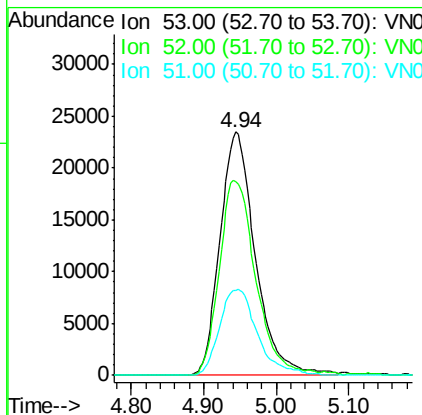
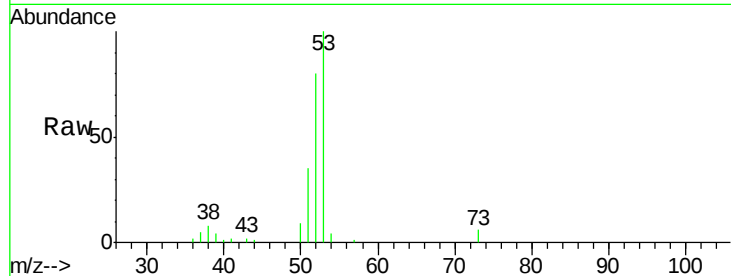
ClientSampleId :

VN0115WBSD01

Tot Ion:	53	Resp:	79677
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.3	99.5
51	37.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 99.750 ug/l

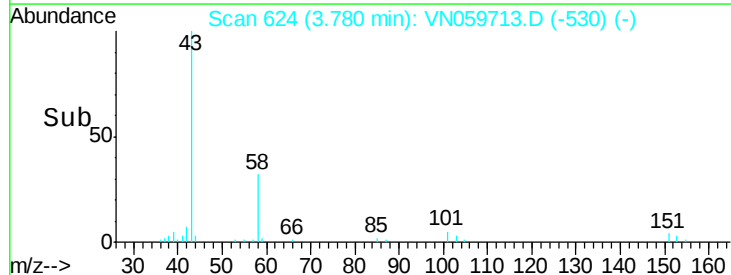
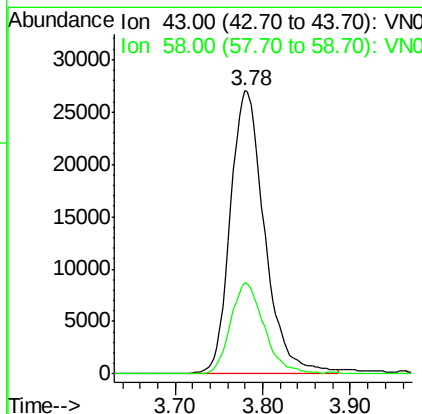
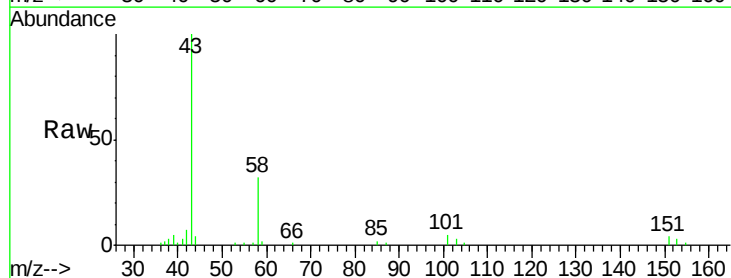
RT: 3.78 min Scan# 624

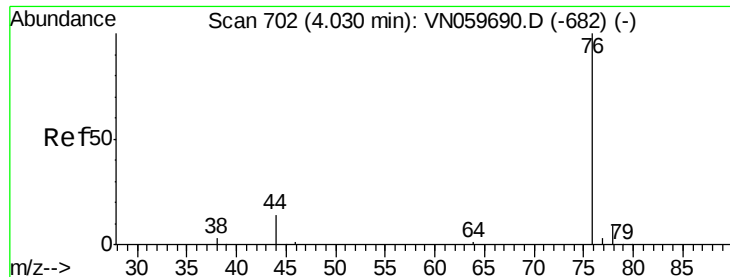
Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	43	Resp:	73635
Ion Ratio	Lower	Upper	
43	100		
58	32.1	23.6	35.4





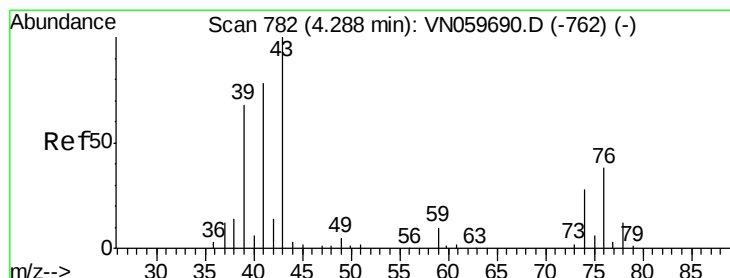
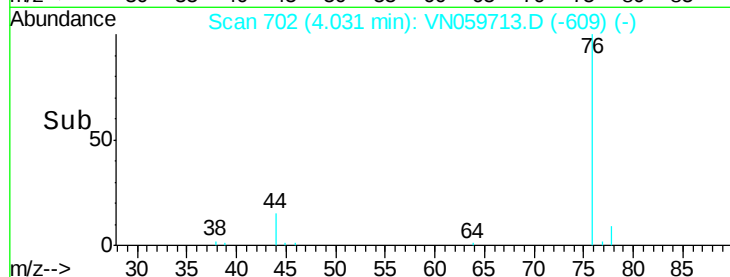
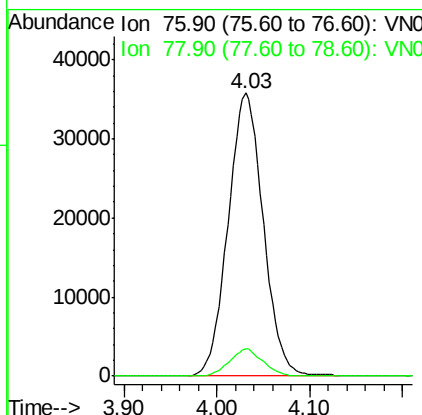
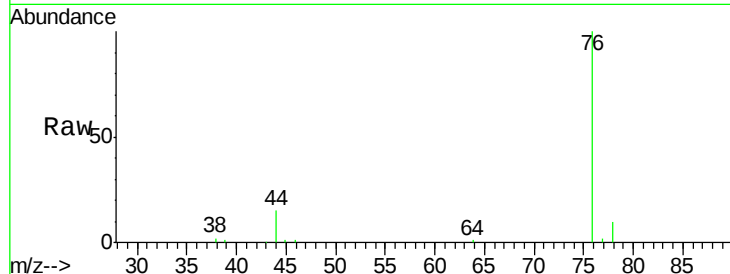
#17
Carbon Disulfide
Concen: 19.632 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	76	Resp	94048
Ion Ratio	Lower	Upper	
76	100		
78	9.7	7.4	11.0

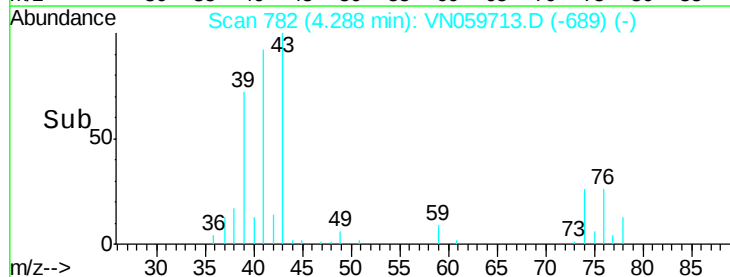
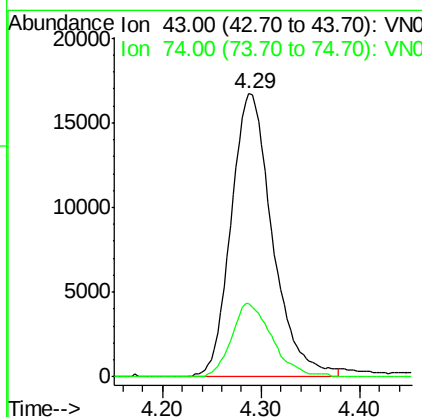
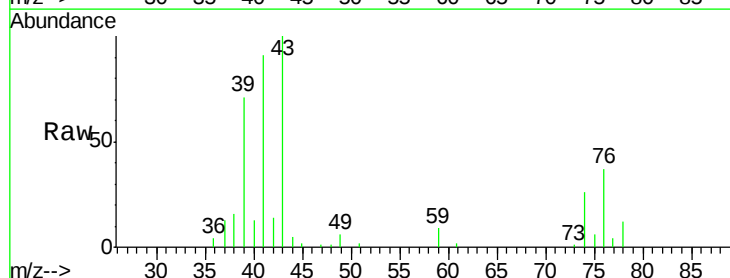
Manual Integrations
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#18
Methyl Acetate
Concen: 20.458 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	43	Resp	48777
Ion Ratio	Lower	Upper	
43	100		
74	25.2	17.5	26.3





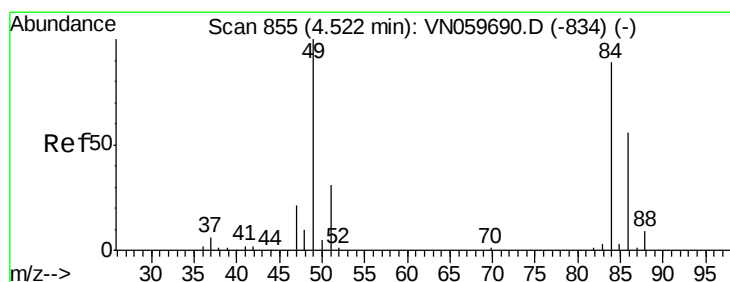
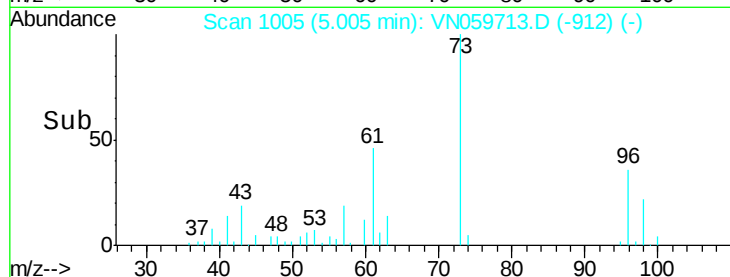
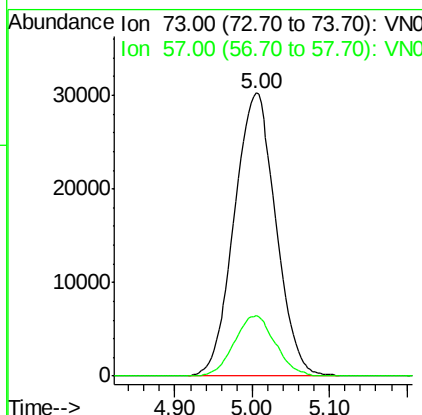
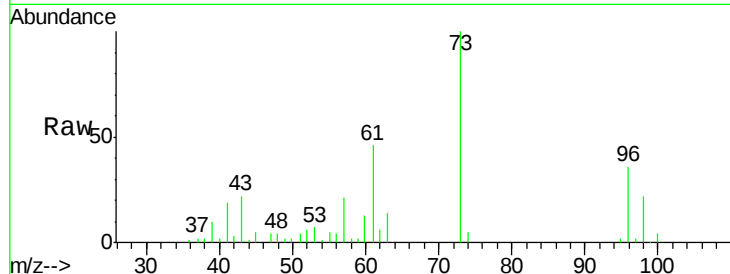
#19
Methvl tert-butvl Ether
Concen: 20.624 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 73 Resp: 113077
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8

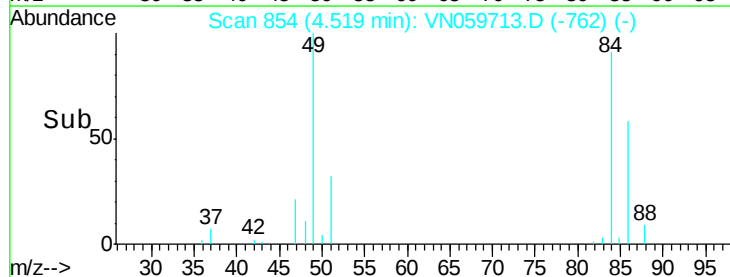
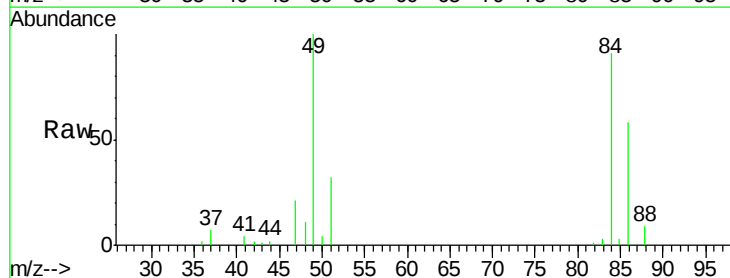
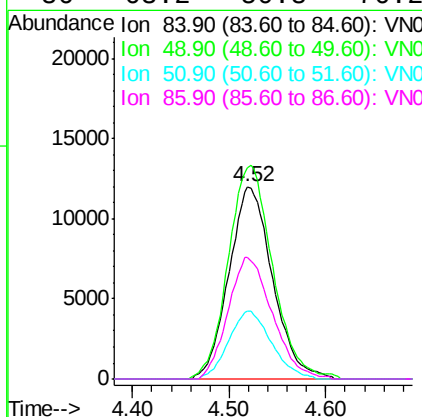
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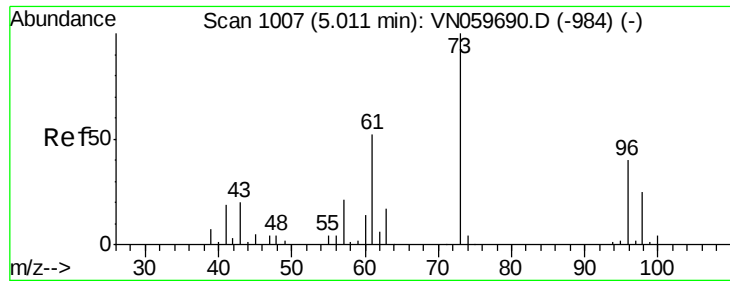
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#20
Methylene Chloride
Concen: 19.630 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion: 84 Resp: 37703
Ion Ratio Lower Upper
84 100
49 109.5 106.6 160.0
51 35.6 31.9 47.9
86 63.2 50.8 76.2





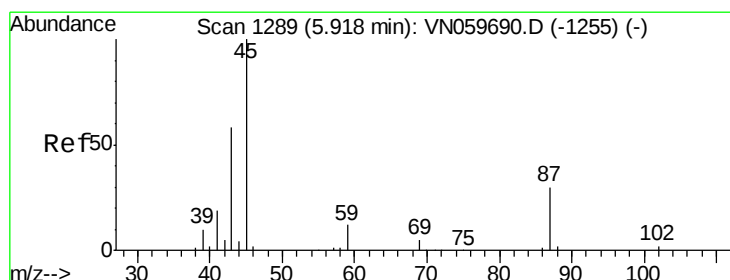
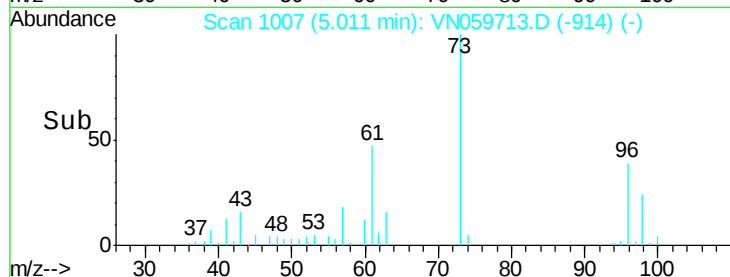
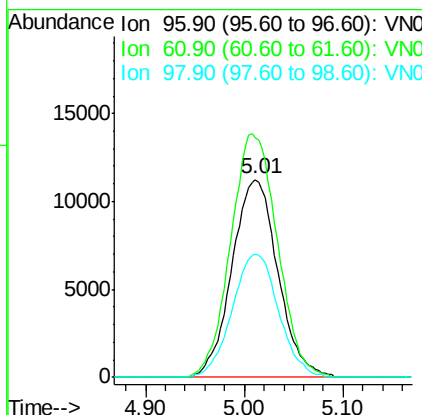
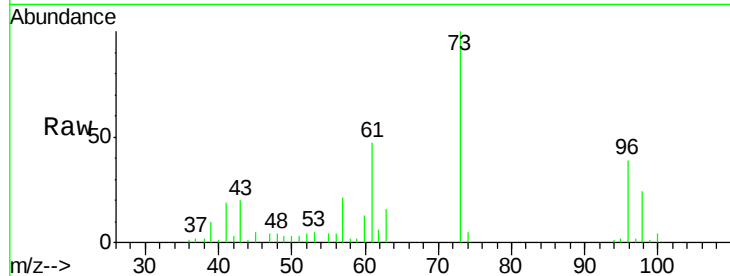
#21
trans-1,2-Dichloroethene
Concen: 20.343 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.3	120.4	180.6
98	62.6	50.6	75.8

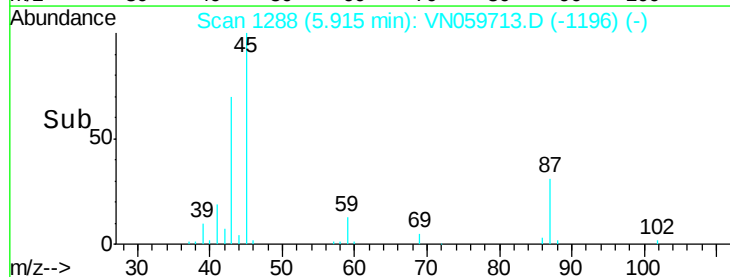
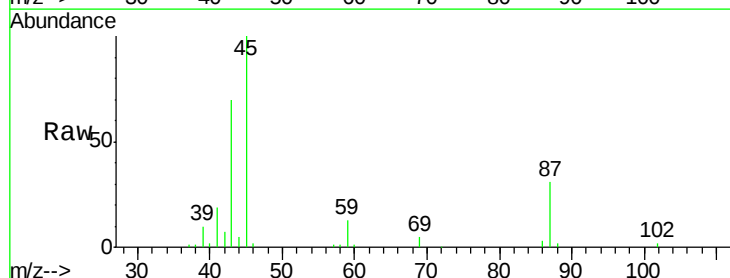
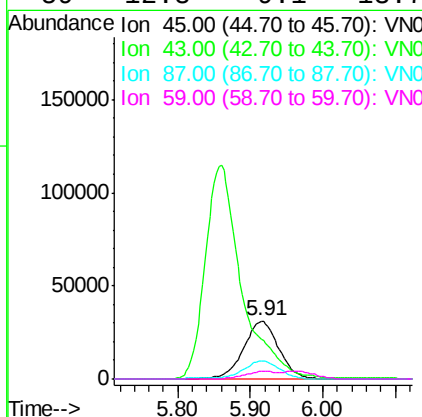
Manual Integrations
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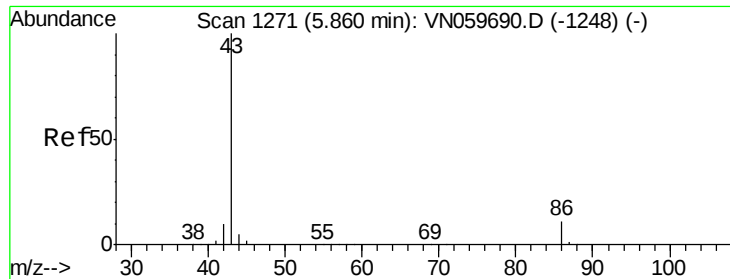
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#22
Diisopropyl ether
Concen: 20.478 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.4	50.8	76.2
87	30.7	21.0	31.6
59	12.8	9.1	13.7





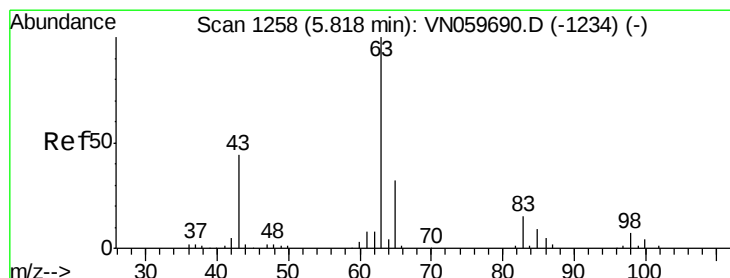
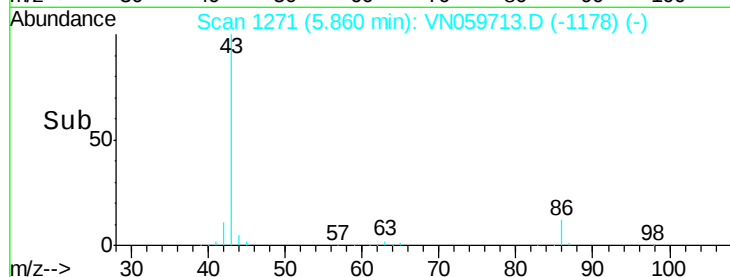
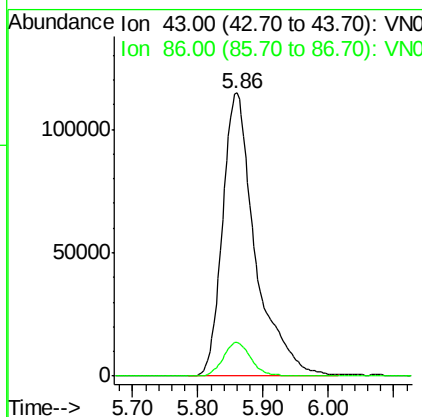
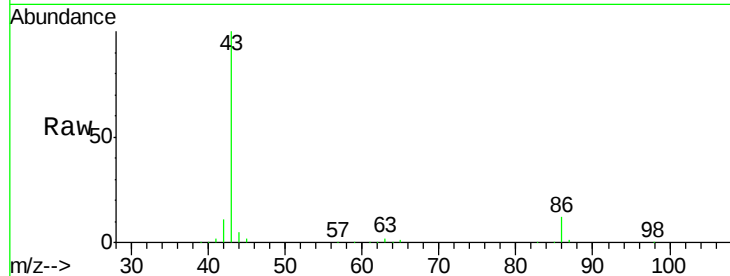
#23
 Vinyl Acetate
 Concen: 100.631 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.8	7.6	11.4#

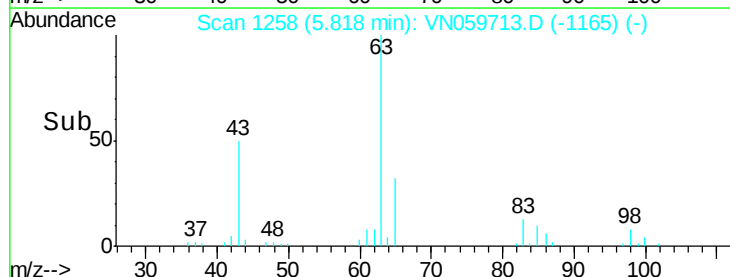
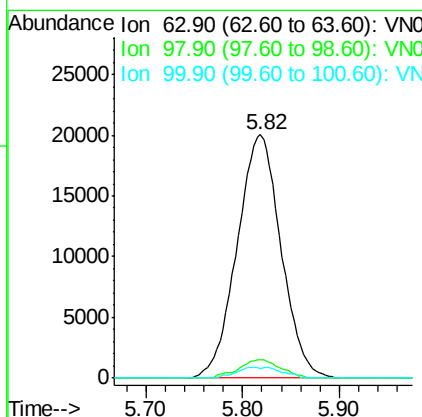
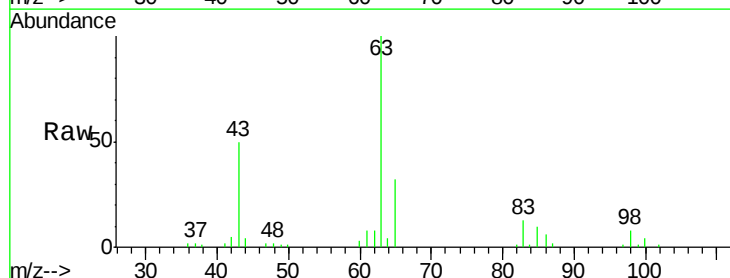
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 20.101 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	2.9	8.7
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 93.969 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 43 Resp: 108622

Ion Ratio Lower Upper

43 100

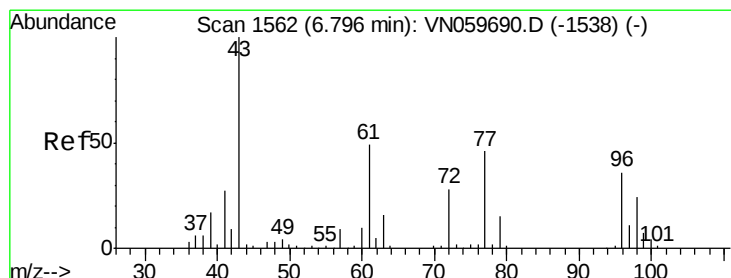
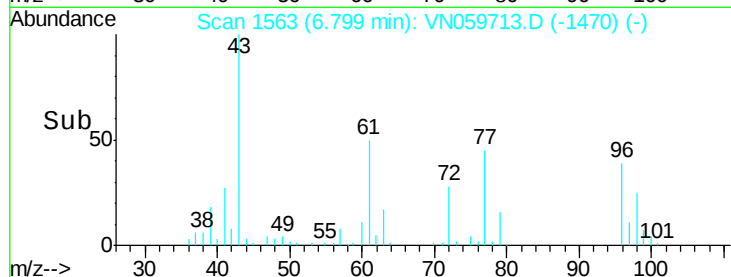
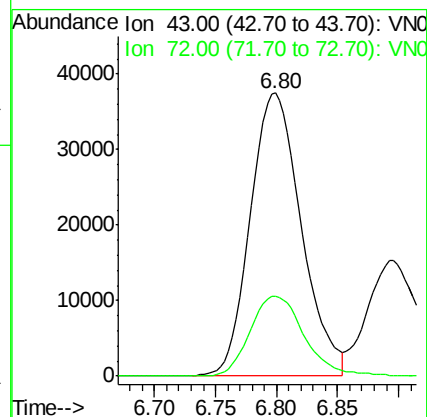
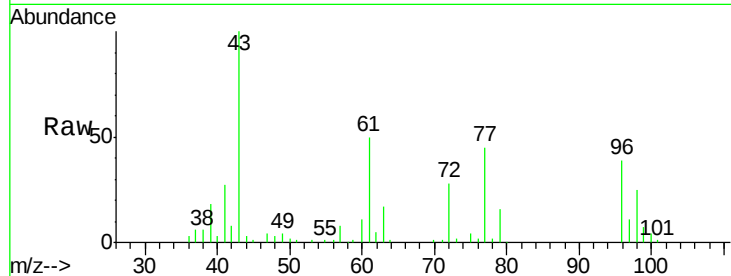
72 28.4 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.153 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059713.D

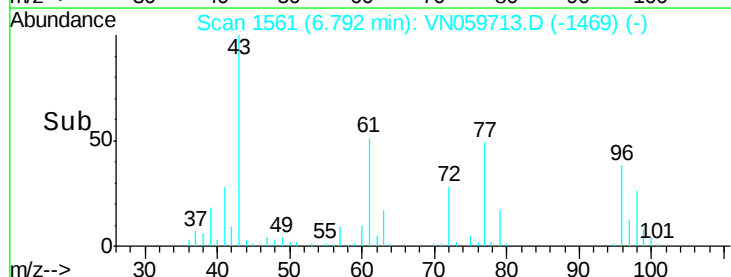
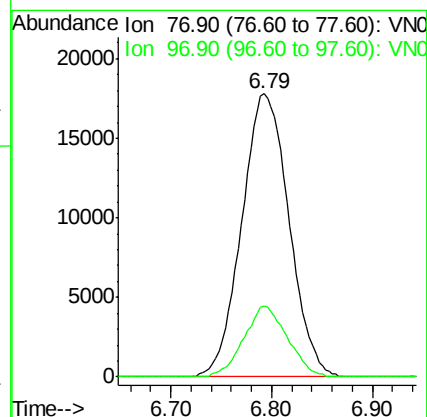
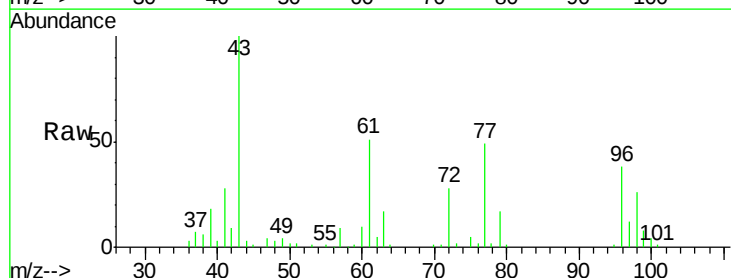
Acq: 15 Jan 2020 11:49

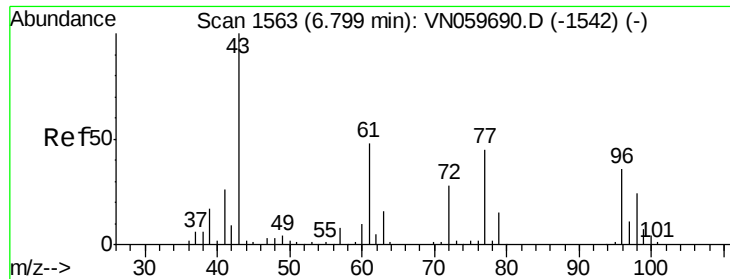
Tgt Ion: 77 Resp: 57791

Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.320 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

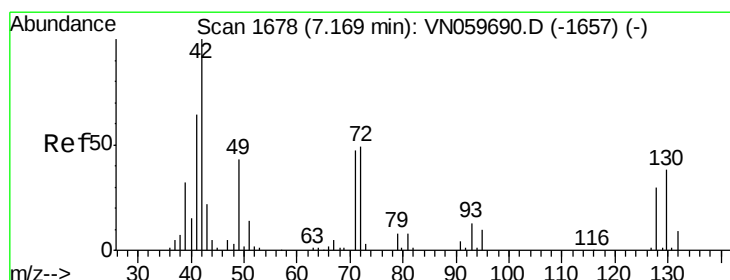
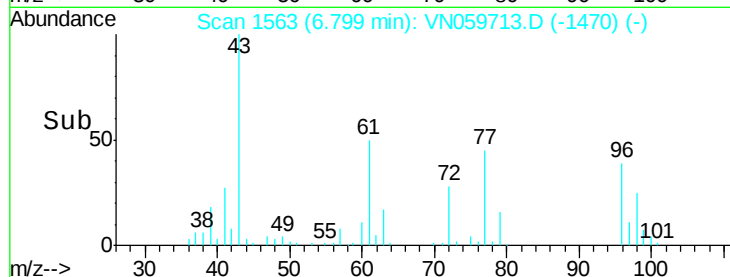
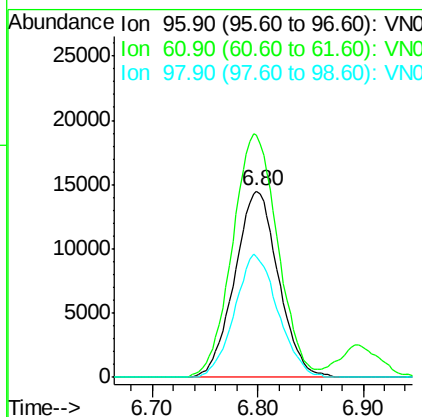
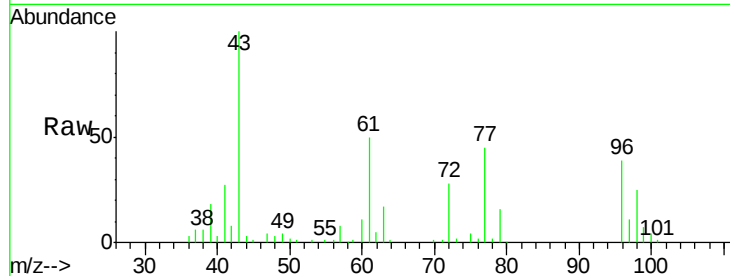
ClientSampleId :

VN0115WBSD01

Tot Ion:	96	Resp:	41779
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	317.6
98	65.2	0.0	127.0

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#28

Bromochloromethane

Concen: 19.963 ug/l

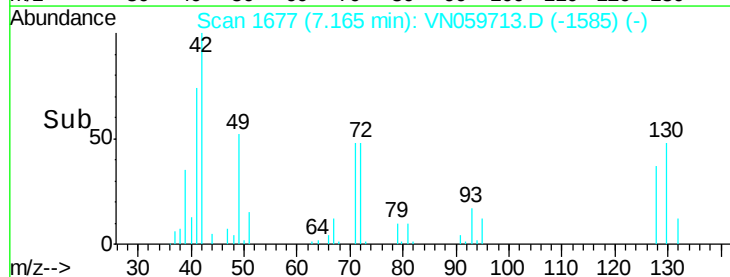
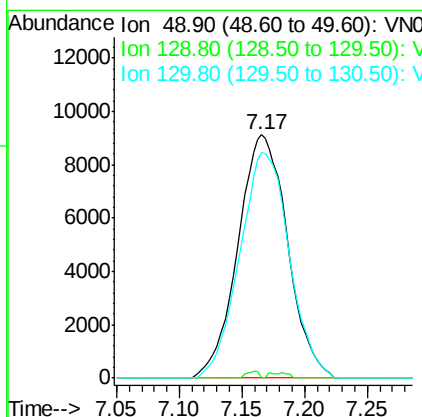
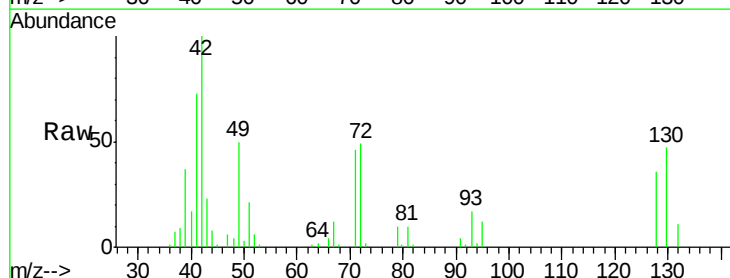
RT: 7.17 min Scan# 1677

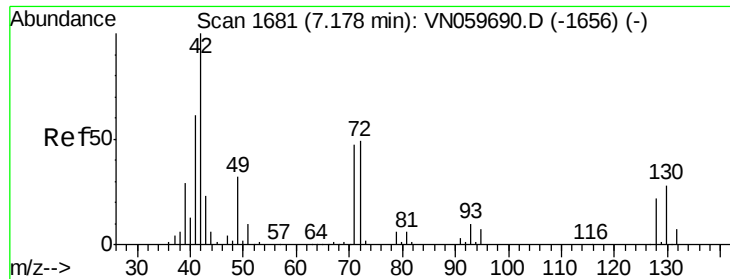
Delta R.T. -0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	49	Resp:	25043
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	92.7	54.7	82.1#





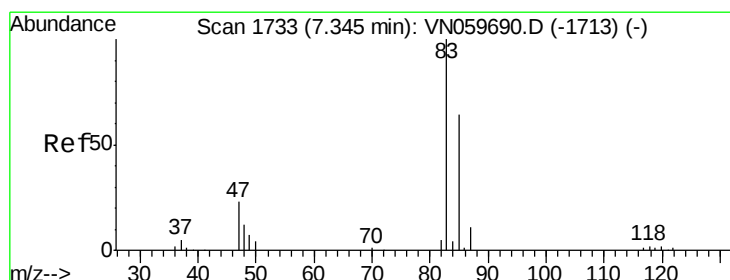
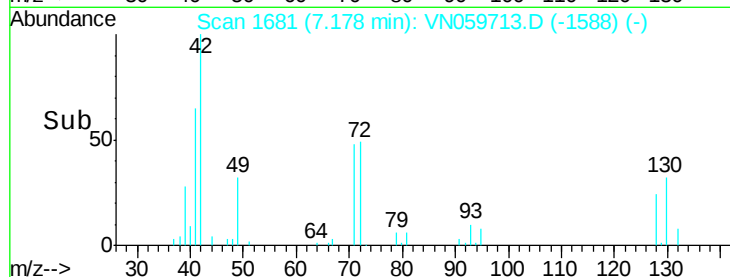
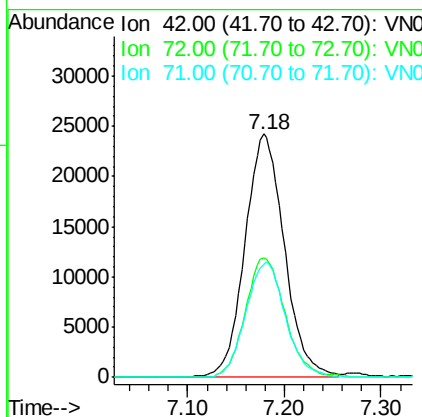
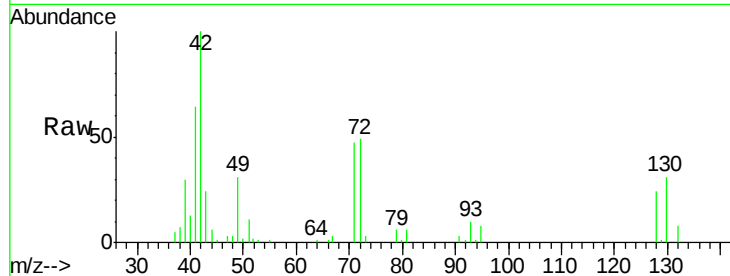
#29
Tetrahydrofuran
Concen: 95.920 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	33.1	49.7
71	47.5	31.4	47.0

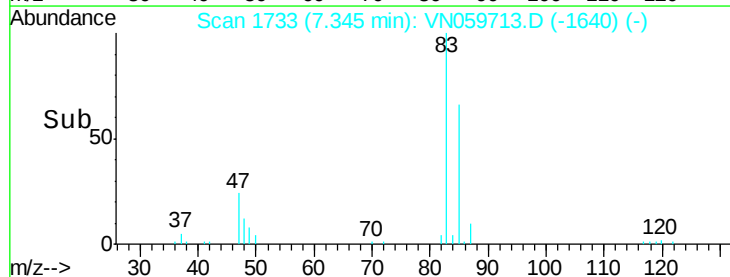
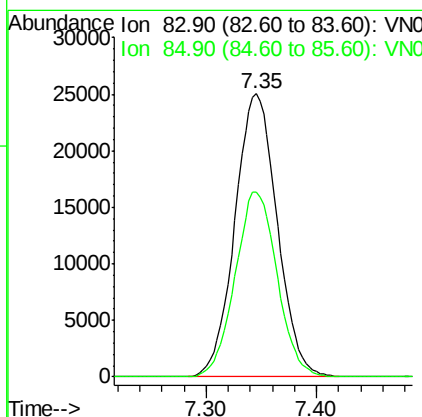
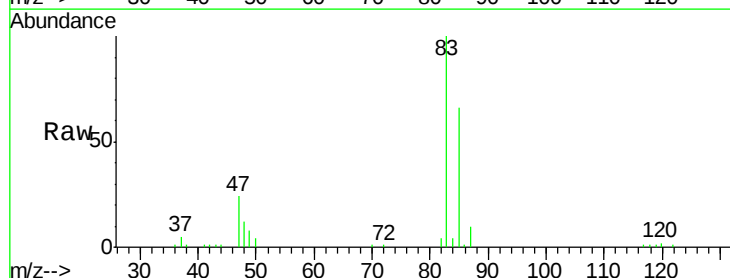
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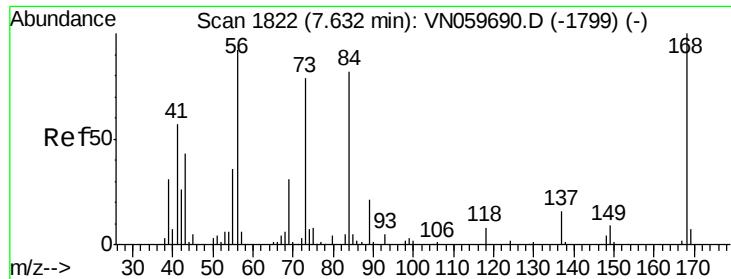
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#30
Chloroform
Concen: 20.423 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





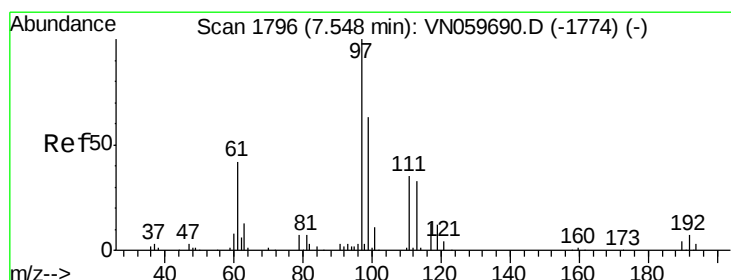
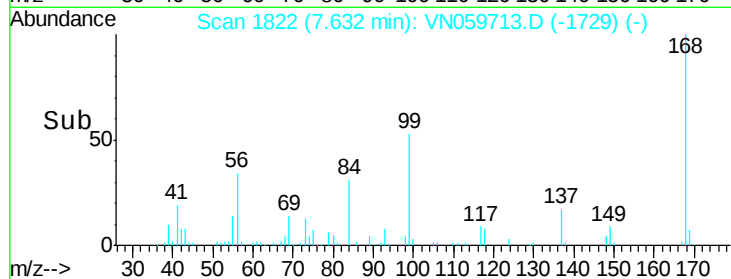
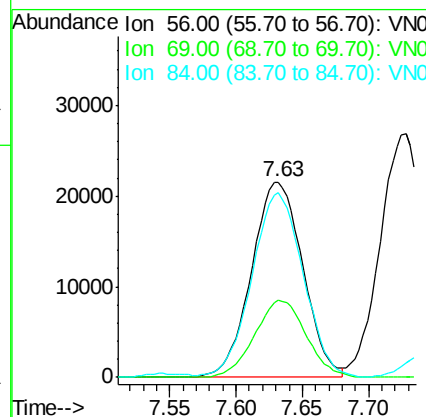
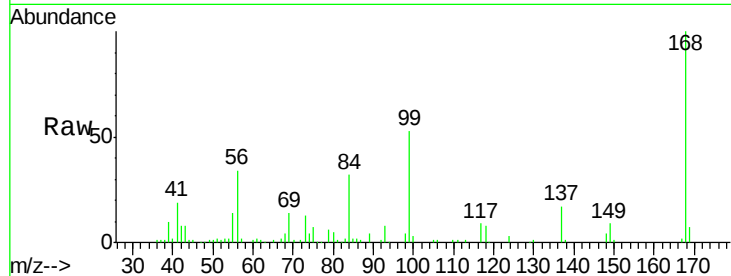
#31
Cyclohexane
Concen: 19.213 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	26.5	39.7
84	93.2	65.3	97.9

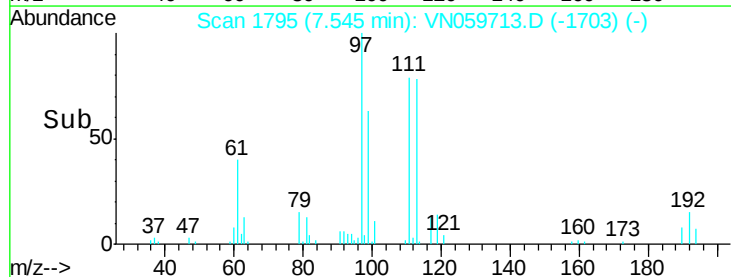
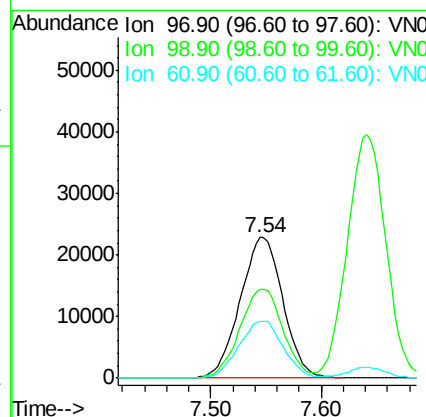
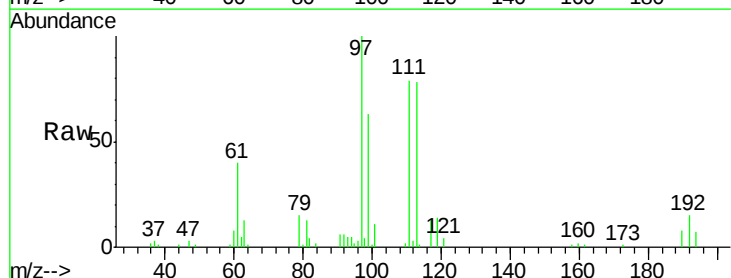
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#32
1,1,1-Trichloroethane
Concen: 20.452 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	41.6	38.5	57.7





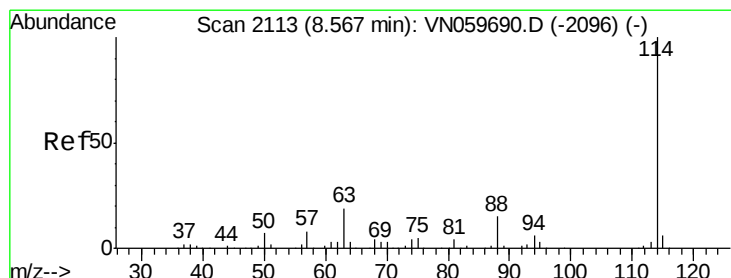
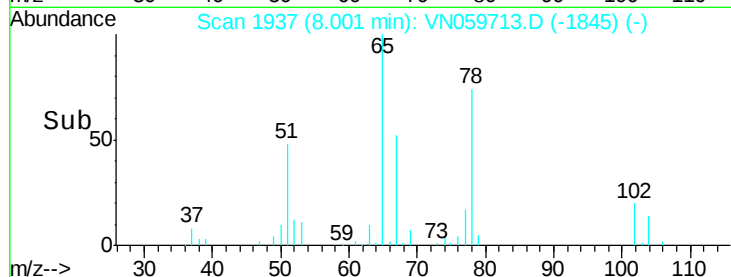
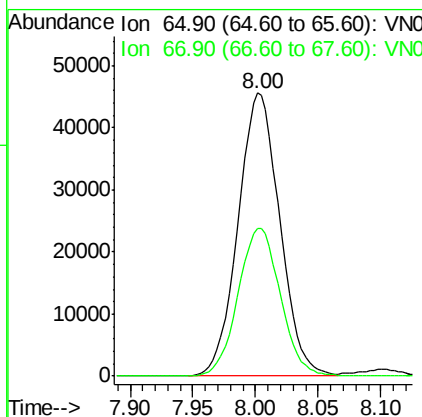
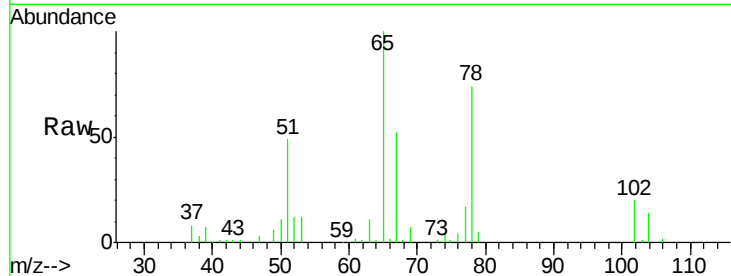
#33
 1,2-Dichloroethane-d4
 Concen: 51.742 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	103.0	

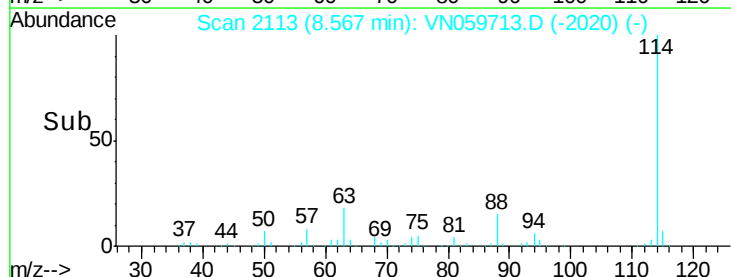
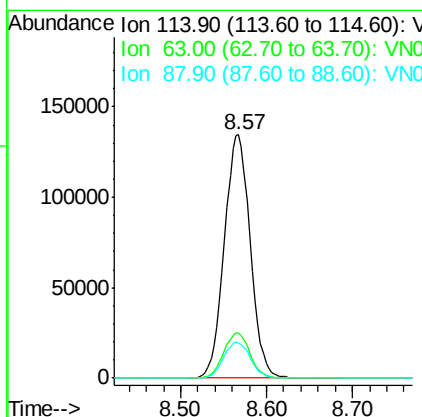
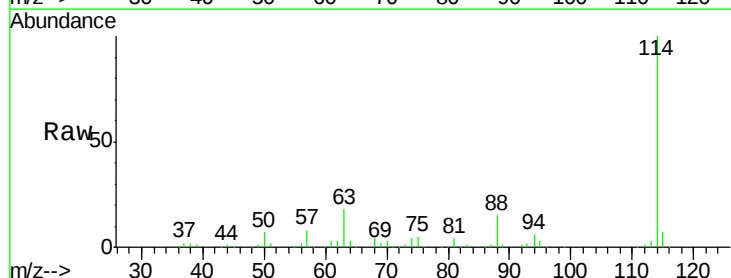
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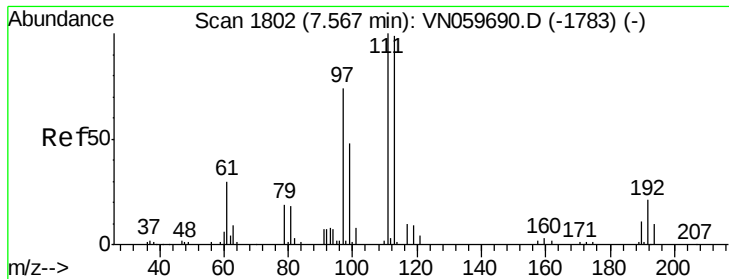
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	43.6	
88	14.6	0.0	31.4	





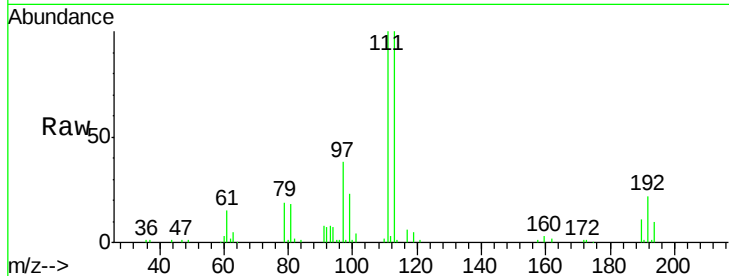
#35
 Dibromofluoromethane
 Concen: 53.249 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

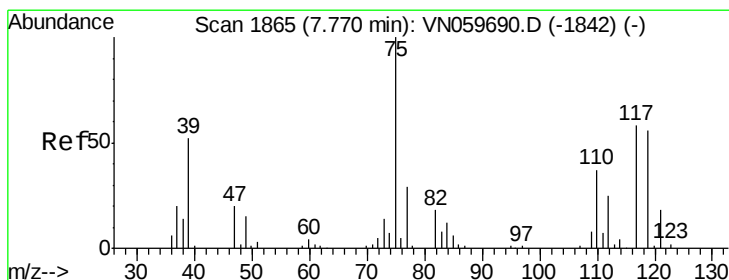
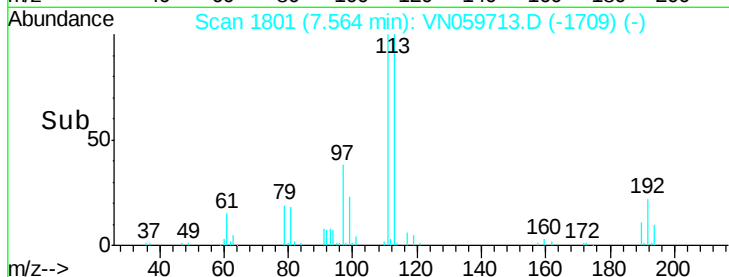
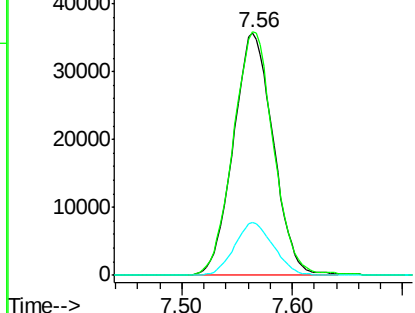
Tot Ion	Ratio	Resp	Lower	Upper
113	100	89485		
111	101.7	83.5	125.3	
192	21.2	15.4	23.2	

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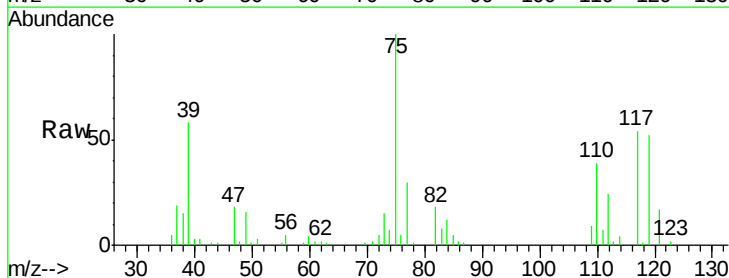


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

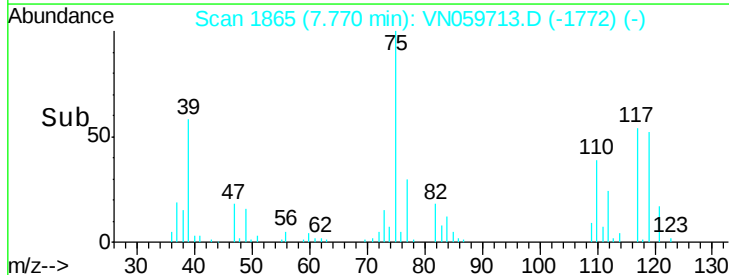
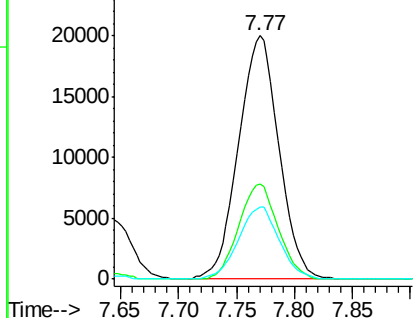


#36
 1,1-Dichloropropene
 Concen: 19.756 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48481		
110	38.0	16.6	49.7	
77	29.9	25.1	37.7	



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





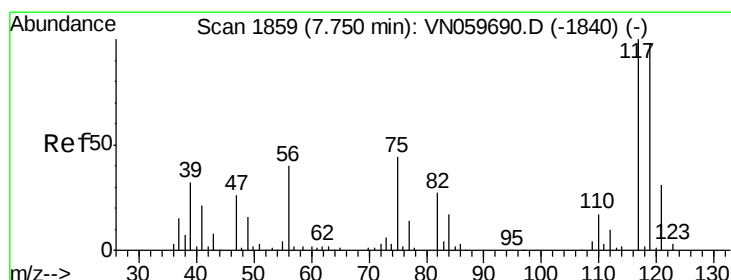
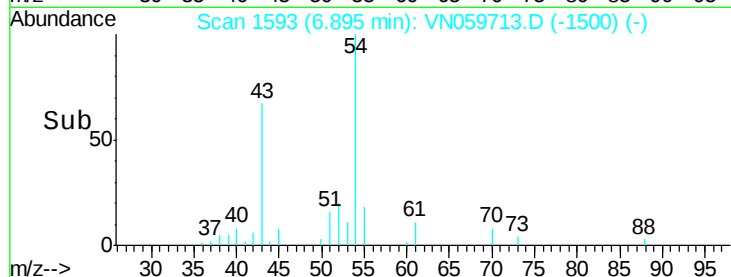
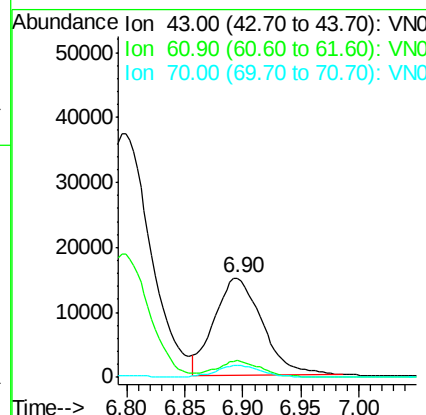
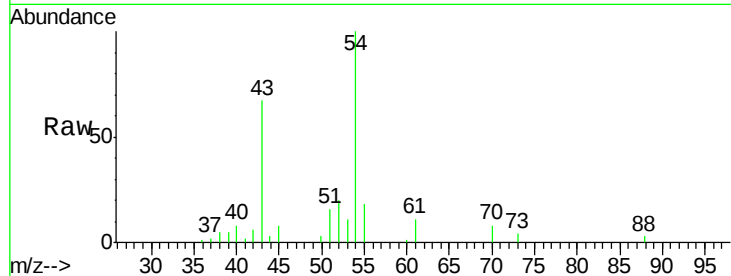
#37
Ethyl Acetate
Concen: 18.915 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.9	16.3
70	11.2	7.7	11.5

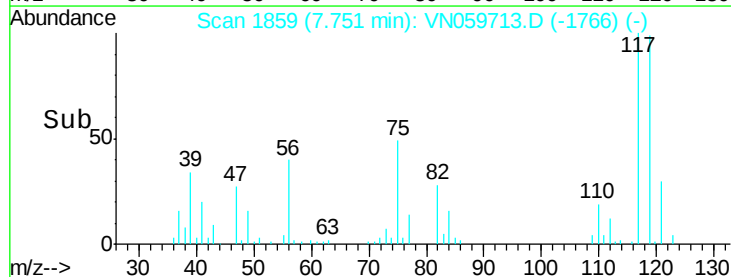
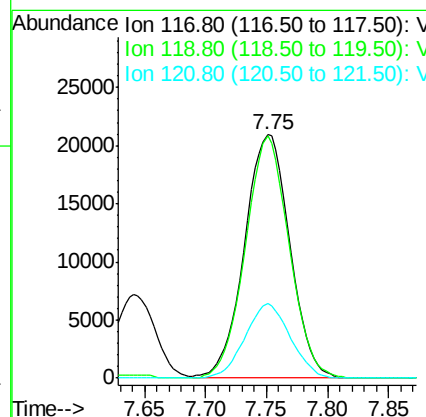
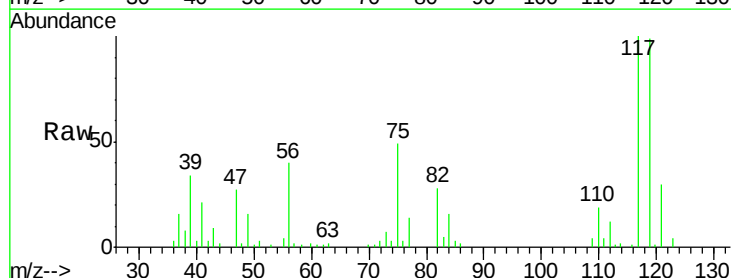
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#38
Carbon Tetrachloride
Concen: 20.160 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.5	114.7
121	30.4	25.1	37.7





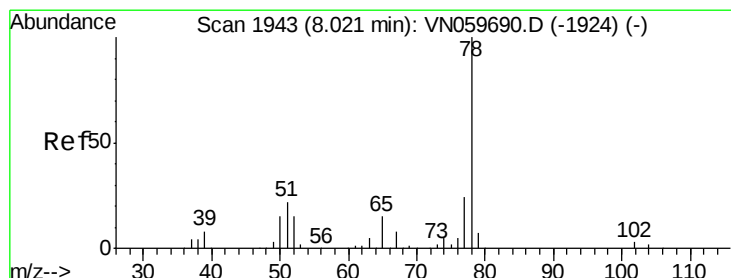
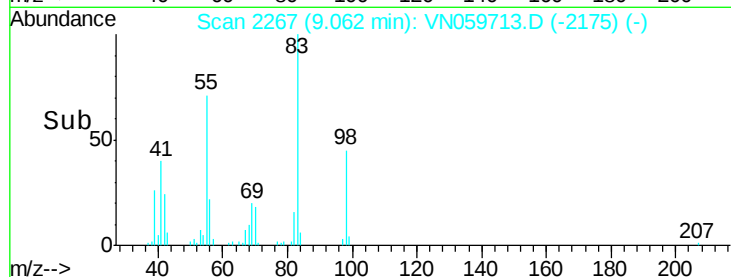
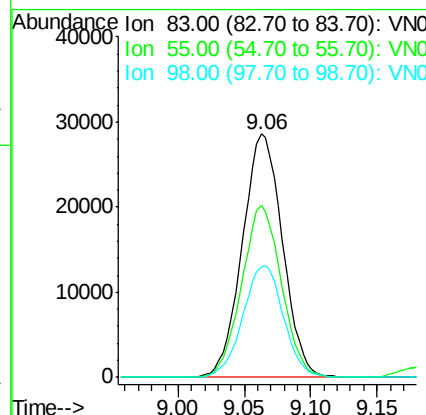
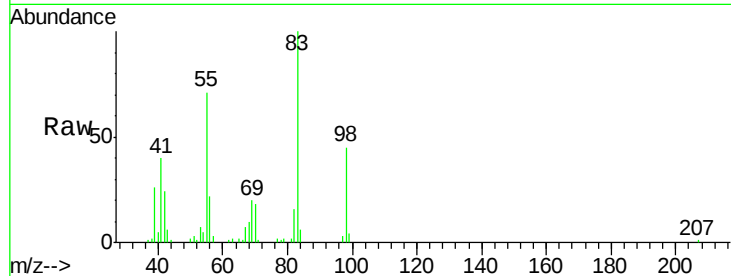
#39
Methvlcvclohexane
Concen: 19.915 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	64.2	96.2
98	45.3	35.9	53.9

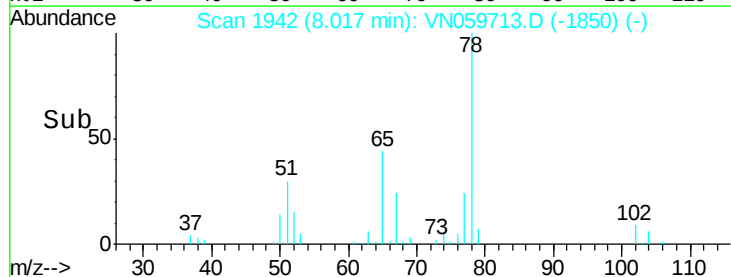
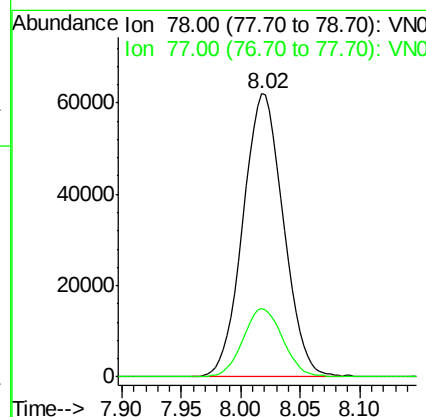
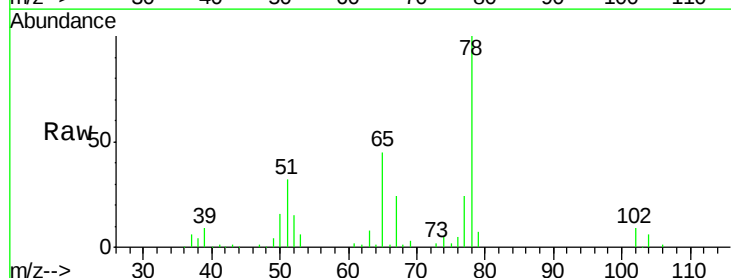
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#40
Benzene
Concen: 20.019 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





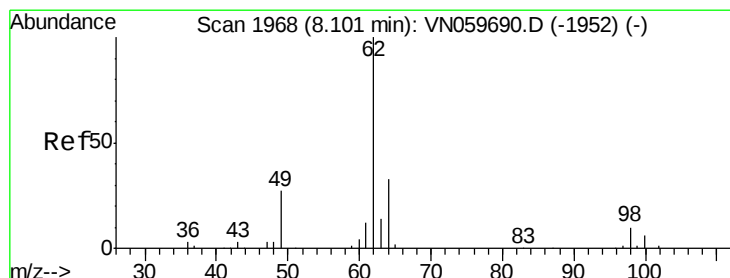
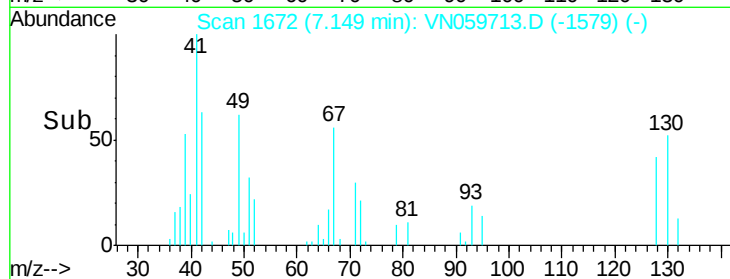
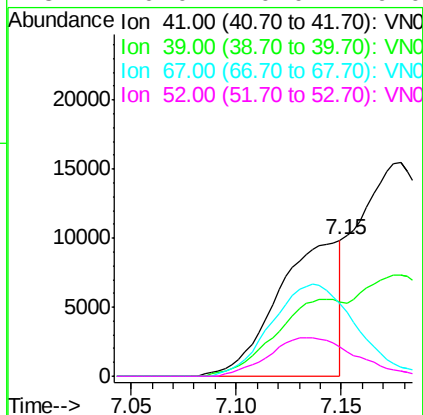
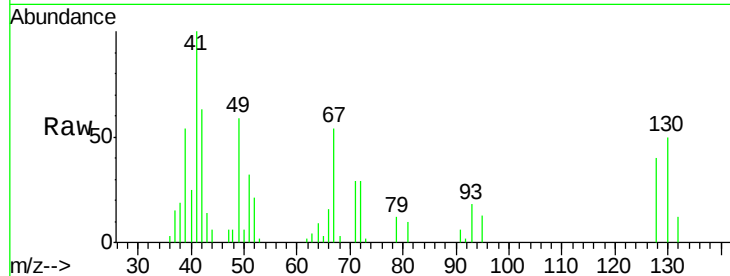
#41
Methacrylonitrile
Concen: 18.070 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	41.00	Resp:	20486
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

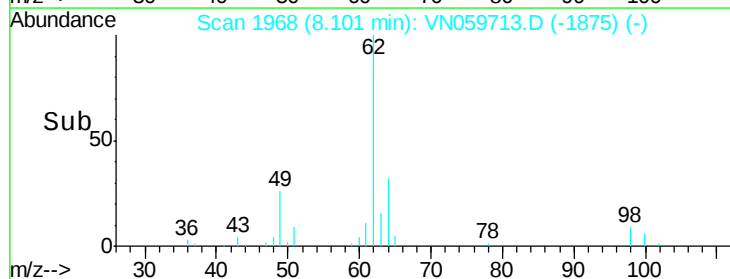
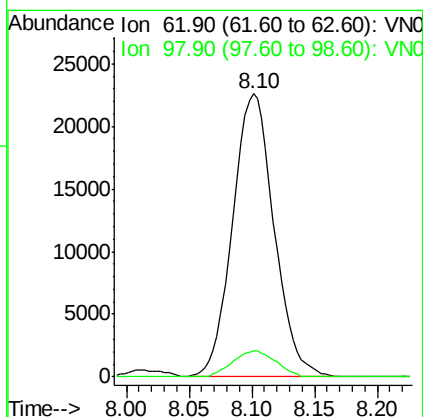
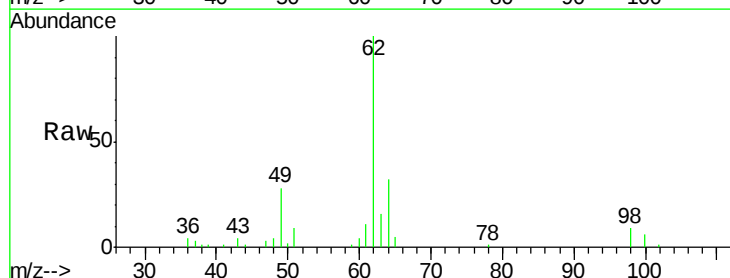
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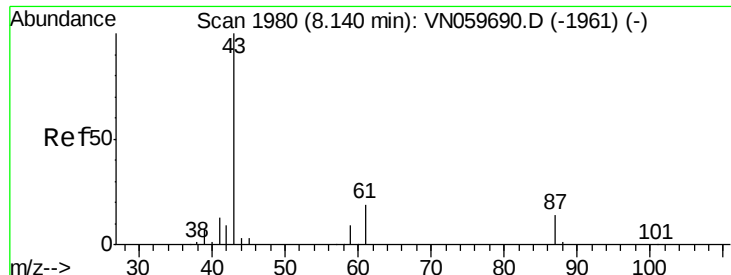
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1/16/2020 10:56:58 AM



#42
1,2-Dichloroethane
Concen: 20.962 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	62	Resp:	52017
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.480 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

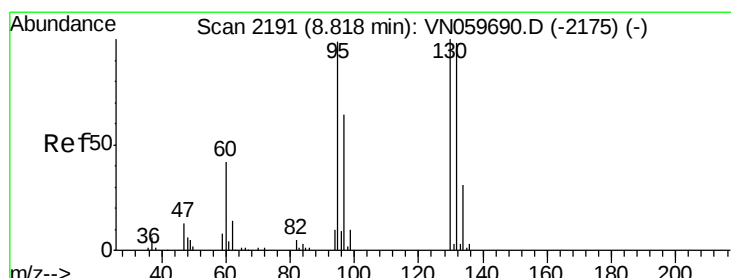
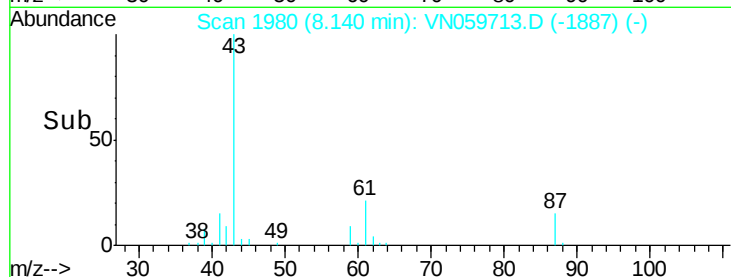
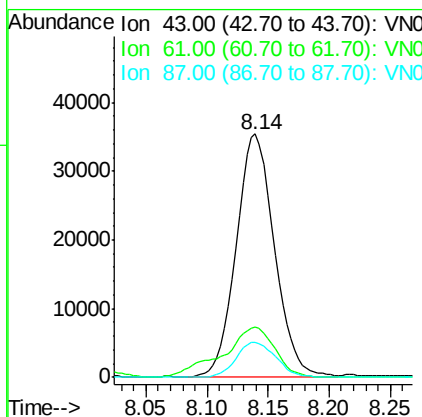
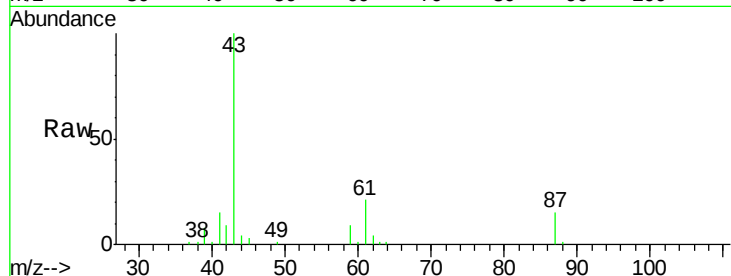
ClientSampleId :

VN0115WBSD01

Tot Ion:	43	Resp:	77121
Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.2	30.2
87	14.8	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 21.084 ug/l

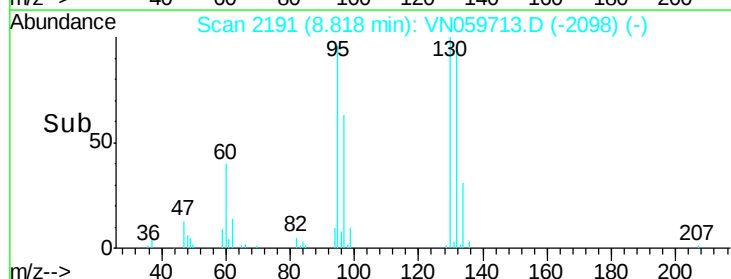
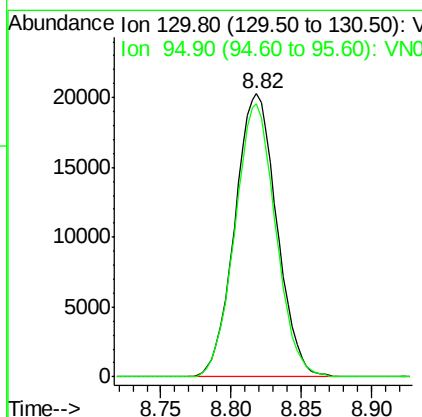
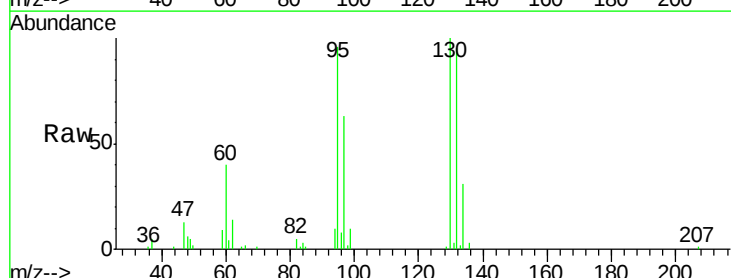
RT: 8.82 min Scan# 2191

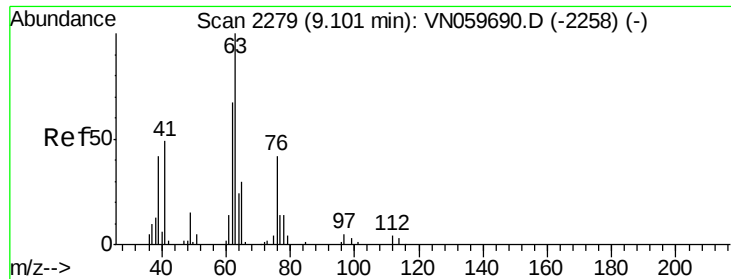
Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	130	Resp:	42125
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	207.0





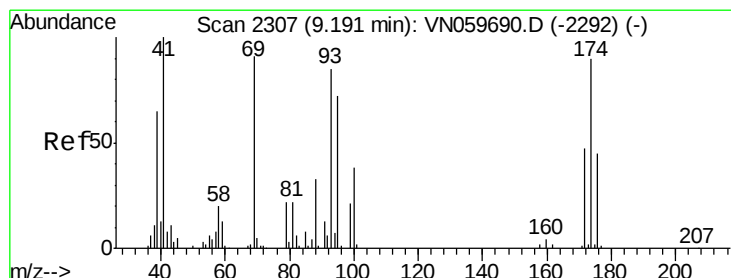
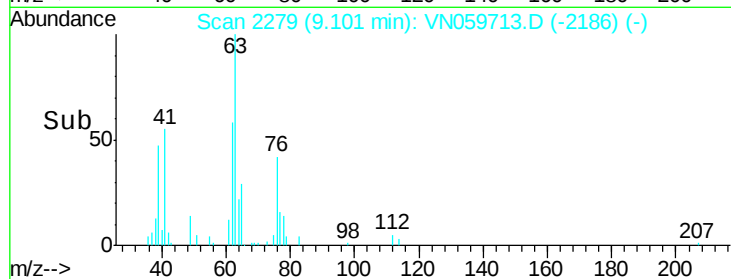
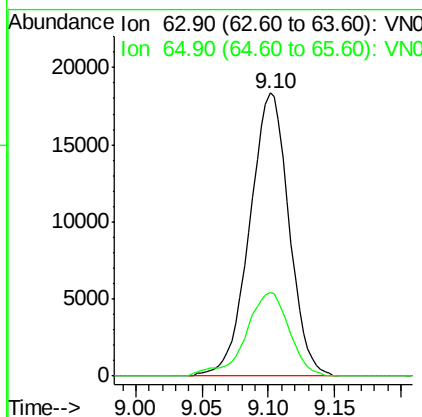
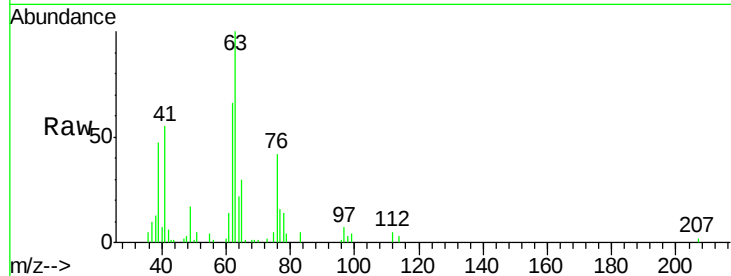
#45
 1,2-Dichloropropane
 Concen: 20.918 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion: 63 Resp: 37883
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.9 37.3

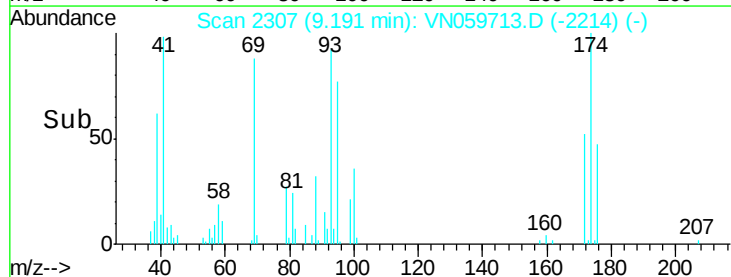
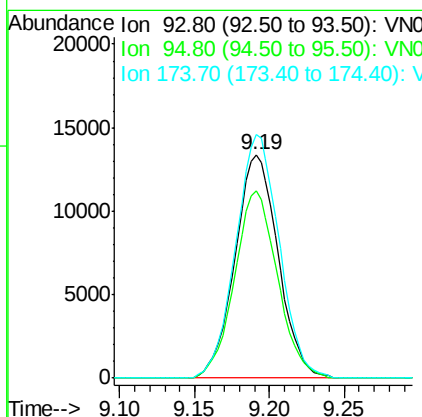
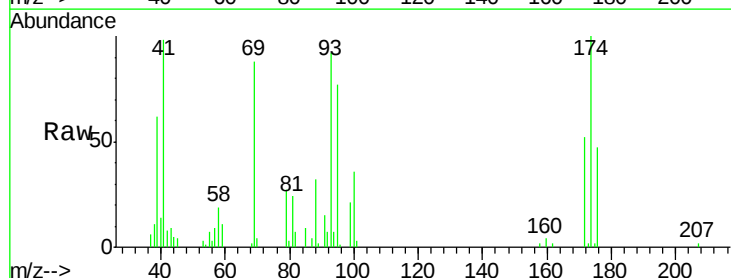
Manual Integrations
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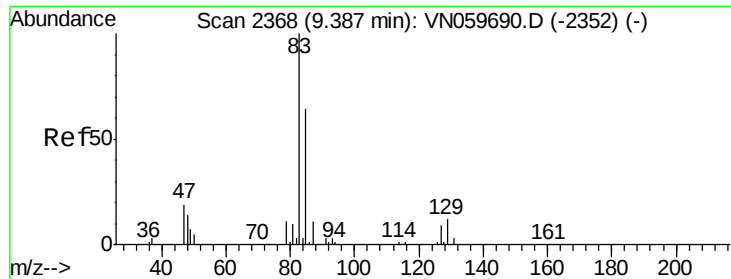
MMDadoda
 1/16/2020 10:56:58 AM



#46
 Dibromomethane
 Concen: 21.025 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion: 93 Resp: 26860
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 109.7 73.4 110.2





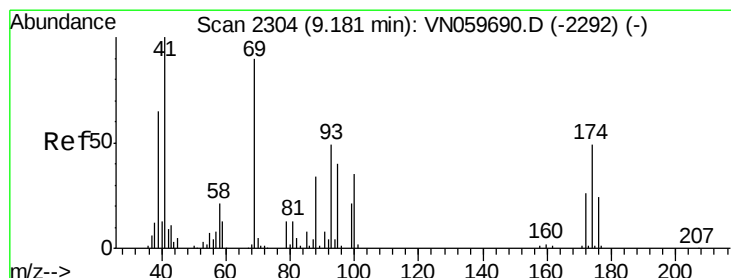
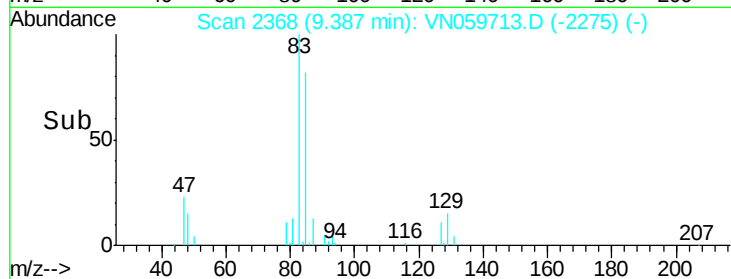
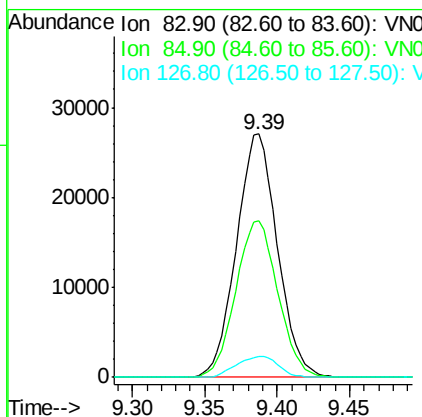
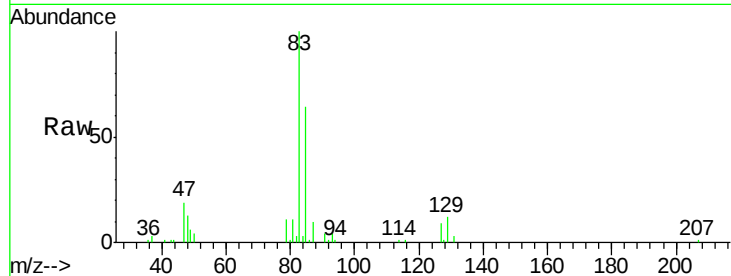
#47
Bromodichloromethane
Concen: 20.658 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.6	6.6	9.8

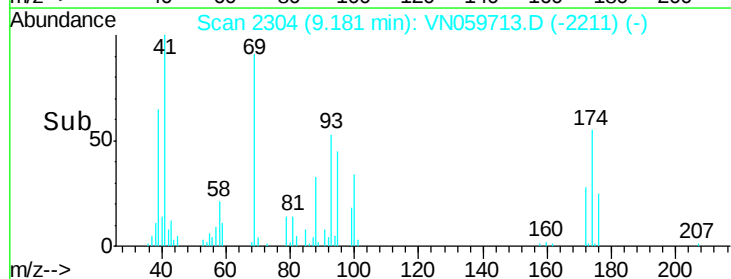
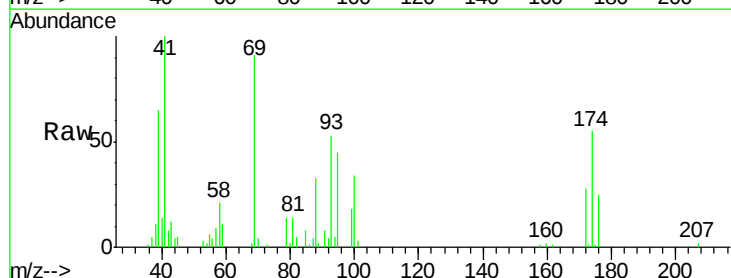
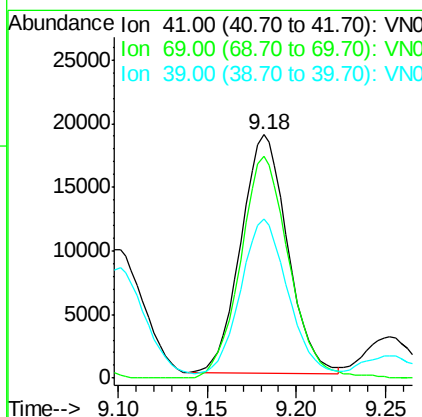
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#48
Methyl methacrylate
Concen: 19.404 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.7	64.4	96.6#
39	65.5	51.3	76.9





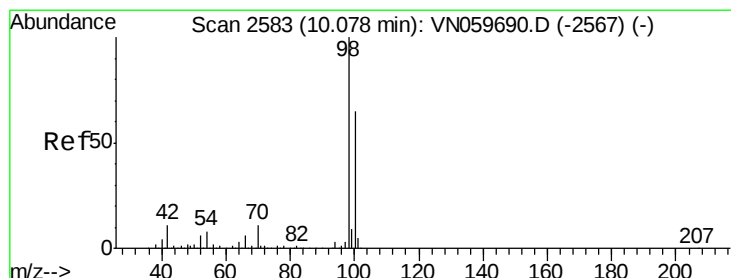
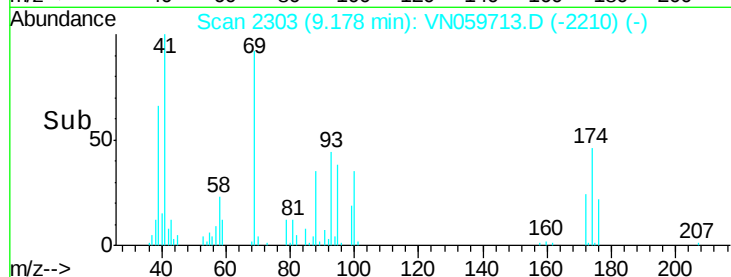
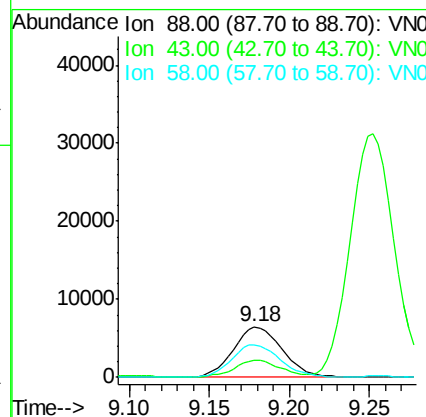
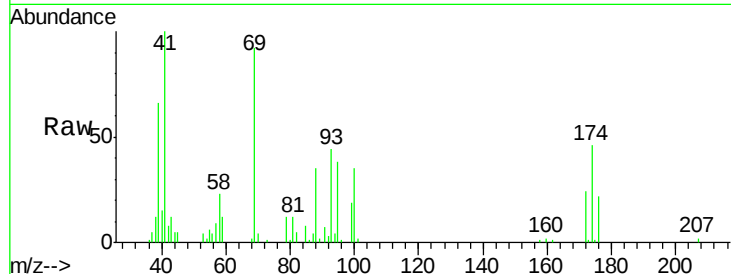
#49
1,4-Dioxane
Concen: 413.880 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	88	Resp	13417
Ion	Ratio	Lower	Upper
88	100		
43	32.3	29.7	44.5
58	64.5	56.6	85.0

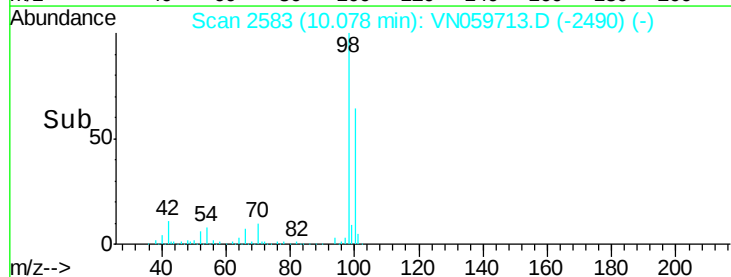
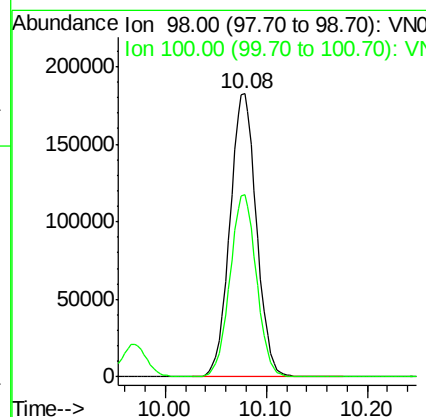
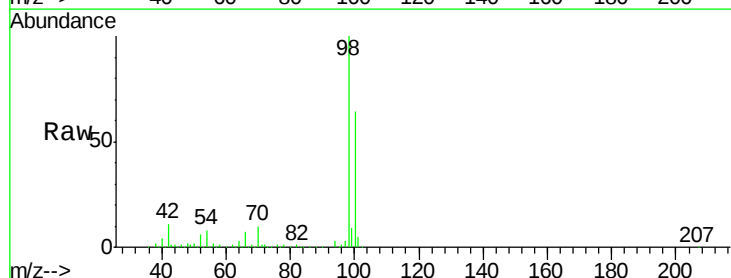
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#50
Toluene-d8
Concen: 51.475 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	98	Resp	335158
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





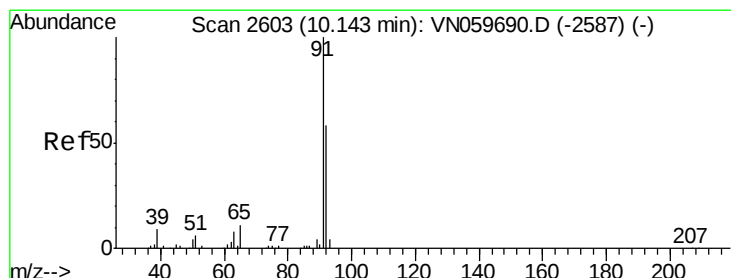
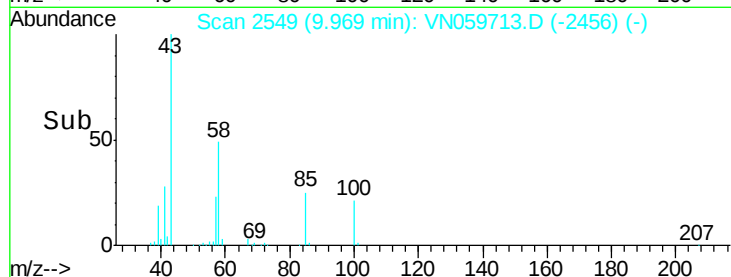
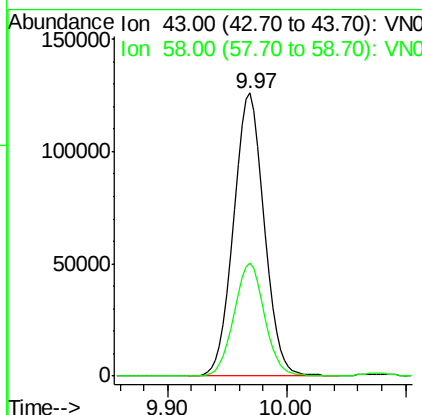
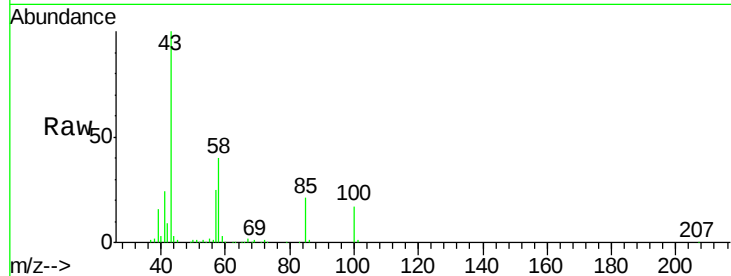
#51
4-Methyl-2-Pentanone
Concen: 98.355 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.8	44.8

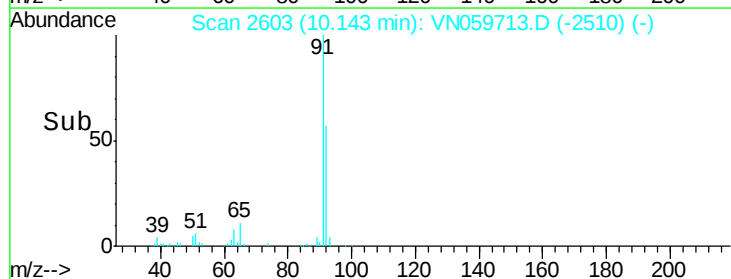
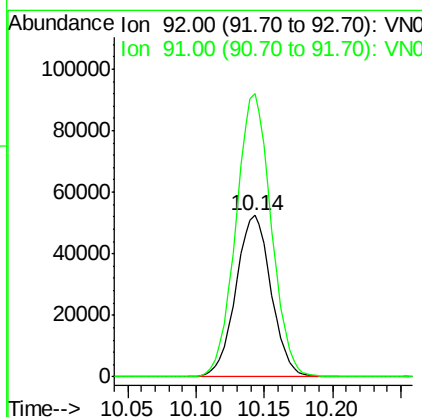
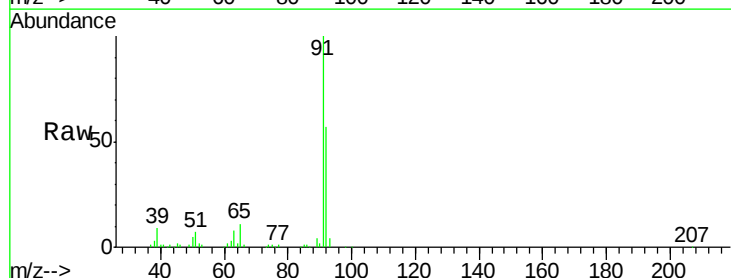
Manual Integrations
APPROVED

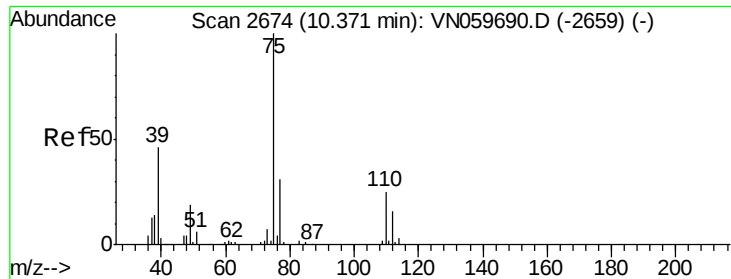
MMDadoda
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#52
Toluene
Concen: 20.403 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	140.4	210.6





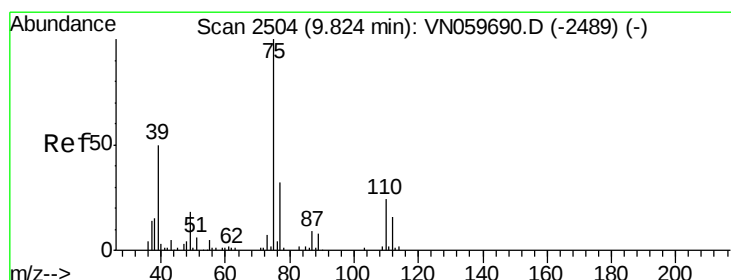
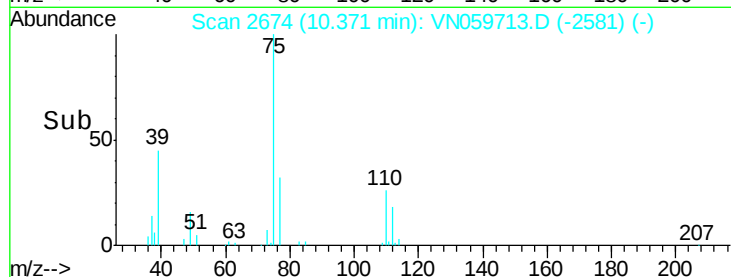
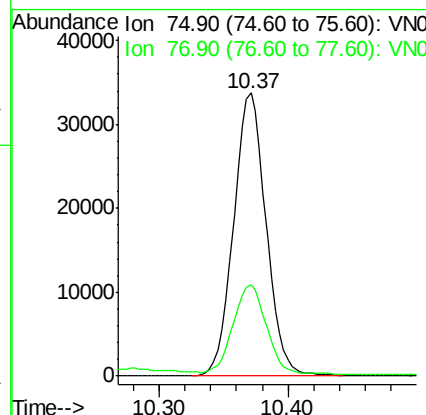
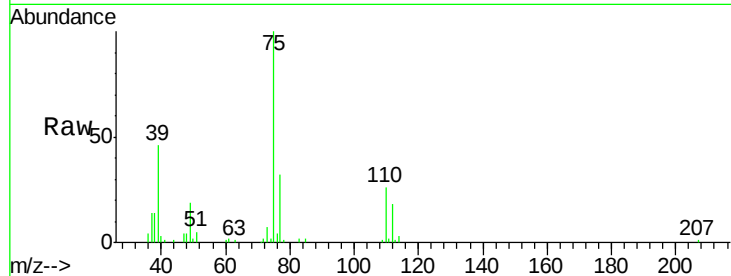
#53
t-1,3-Dichloropropene
Concen: 20.552 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

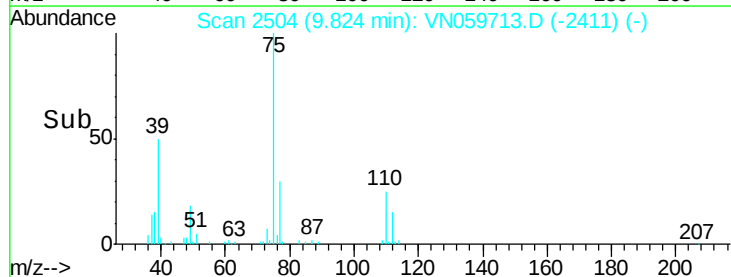
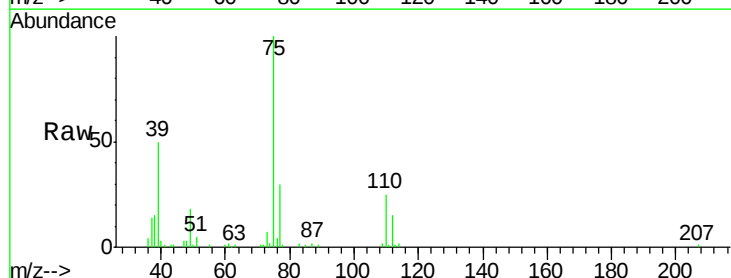
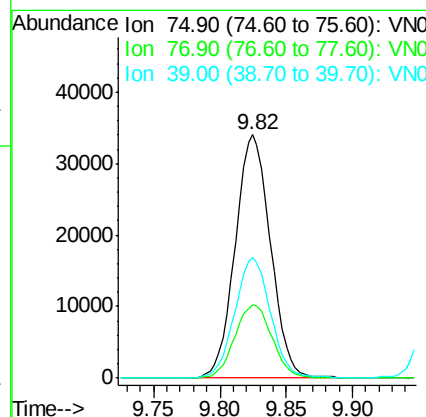
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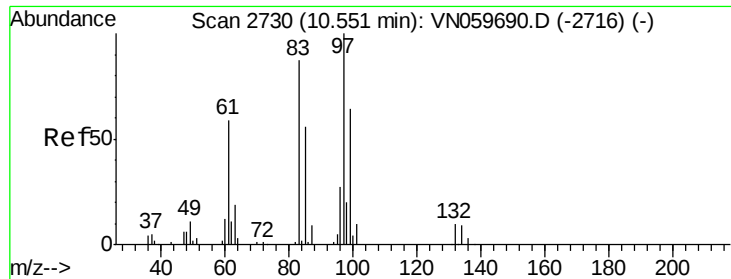
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.800 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.1	37.7
39	49.7	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 20.832 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 97 Resp: 38143

Ion Ratio Lower Upper

97 100

83 85.7 71.3 106.9

85 56.3 45.8 68.8

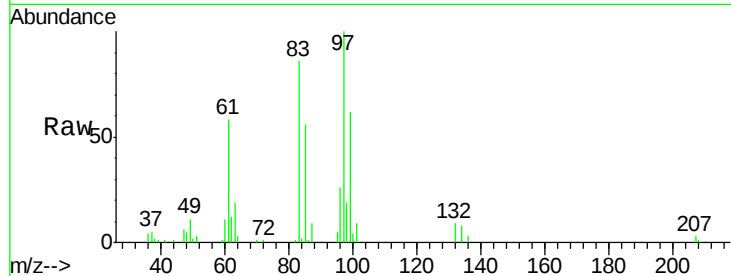
99 62.0 50.0 75.0

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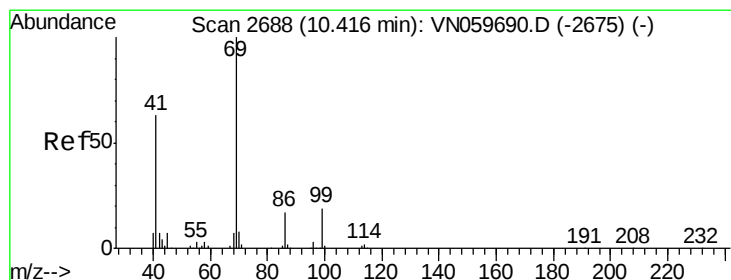
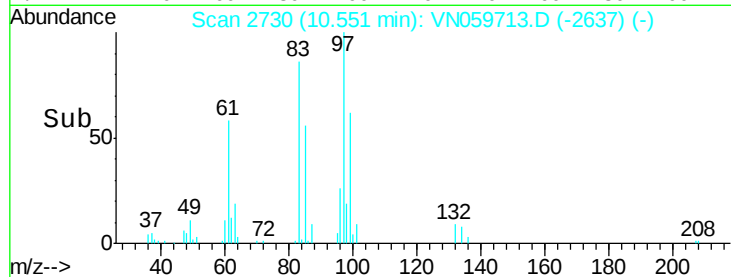
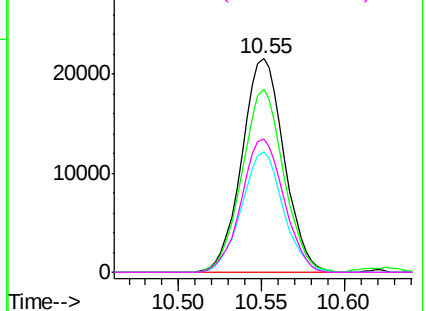


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.116 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

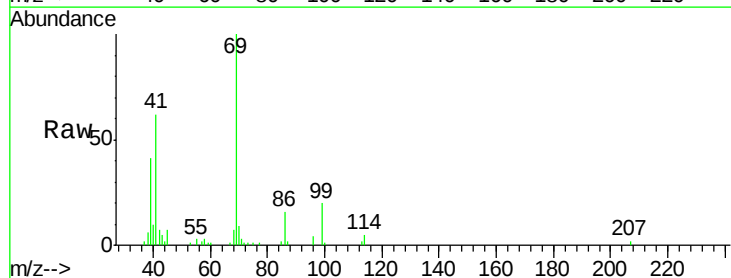
Tgt Ion: 69 Resp: 56279

Ion Ratio Lower Upper

69 100

41 60.2 57.1 85.7

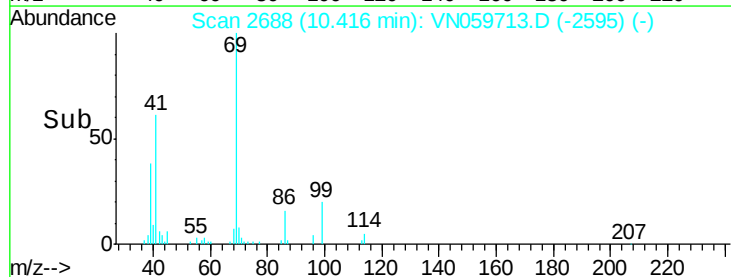
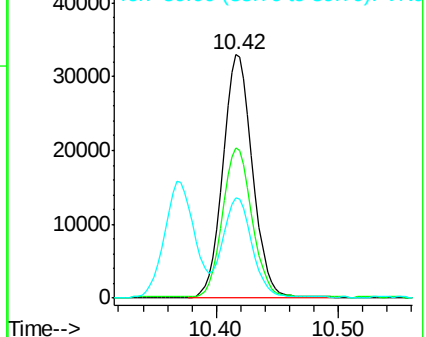
39 40.6 34.7 52.1

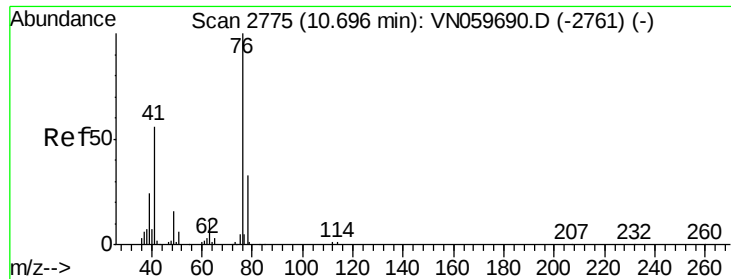


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.339 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 76 Resp: 62030

Ion Ratio Lower Upper

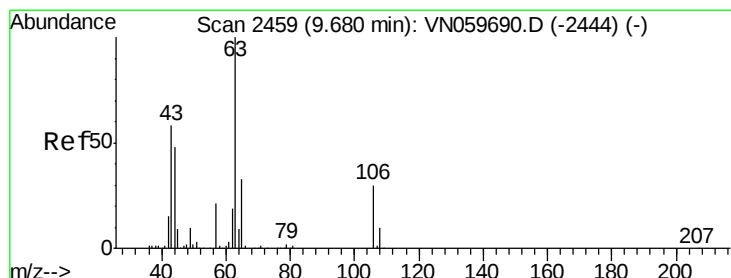
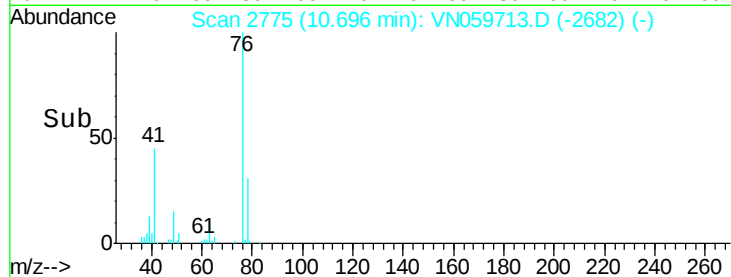
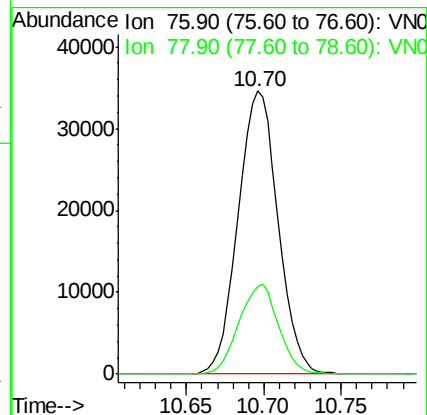
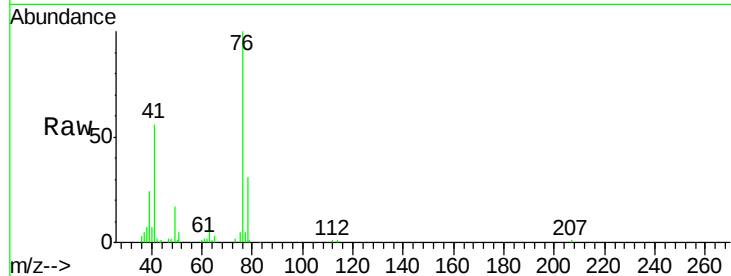
76 100

78 31.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 114.426 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059713.D

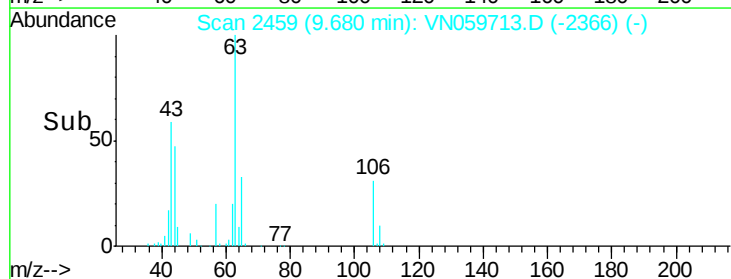
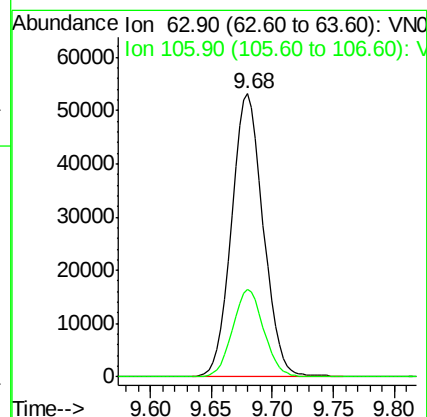
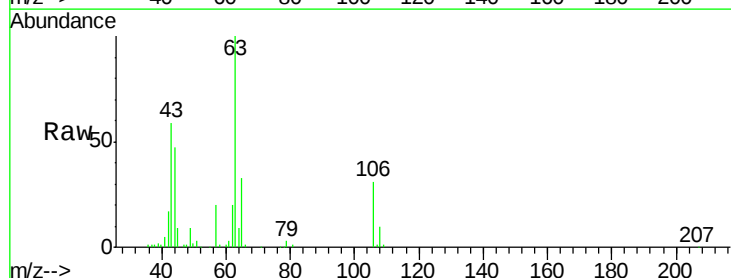
Acq: 15 Jan 2020 11:49

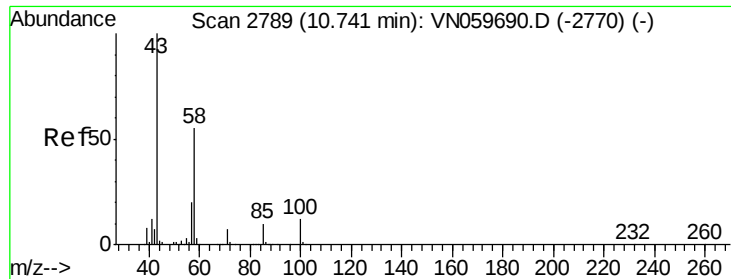
Tgt Ion: 63 Resp: 96423

Ion Ratio Lower Upper

63 100

106 30.3 20.2 30.2#





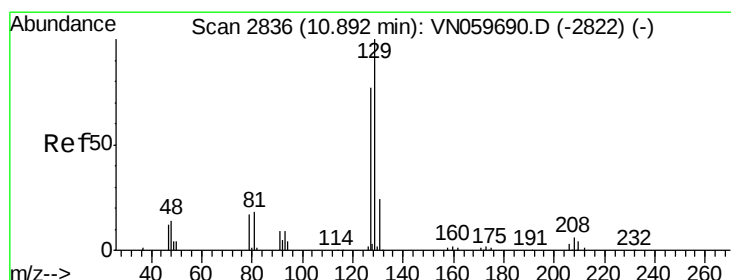
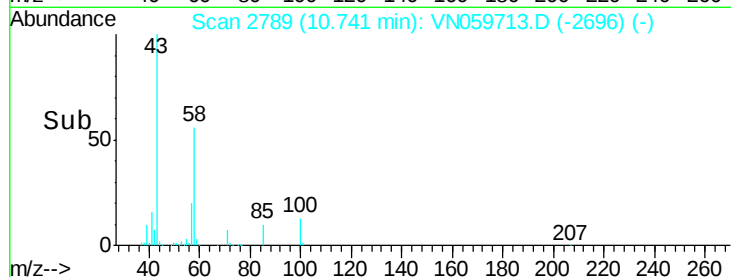
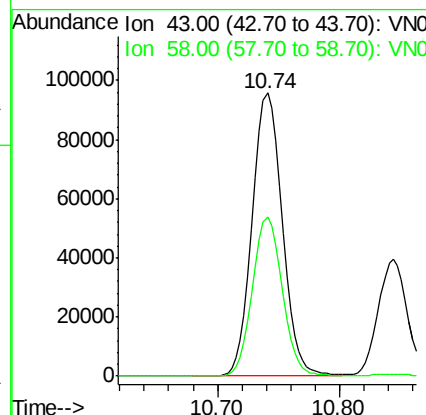
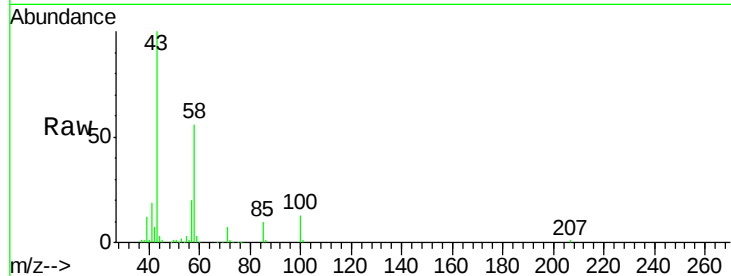
#59
2-Hexanone
Concen: 96.695 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 43 Resp: 163026
Ion Ratio Lower Upper
43 100
58 55.7 25.8 77.3

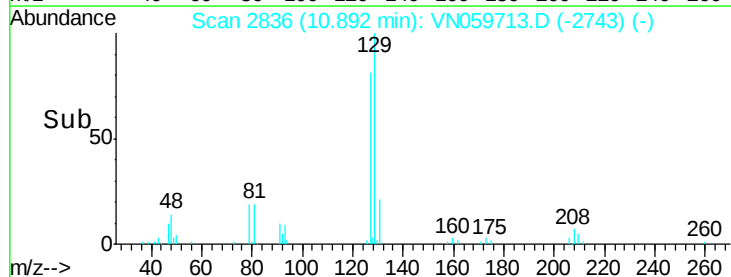
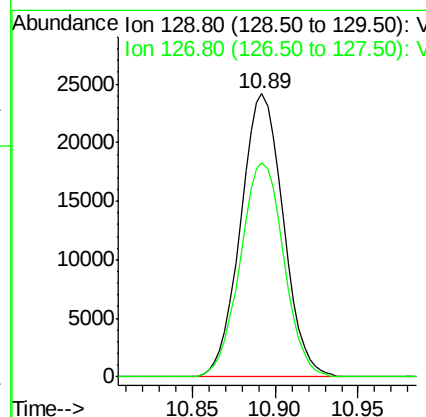
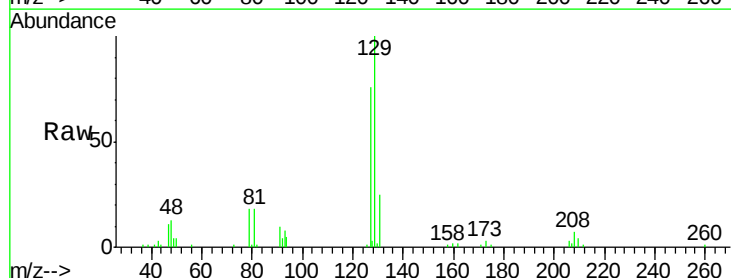
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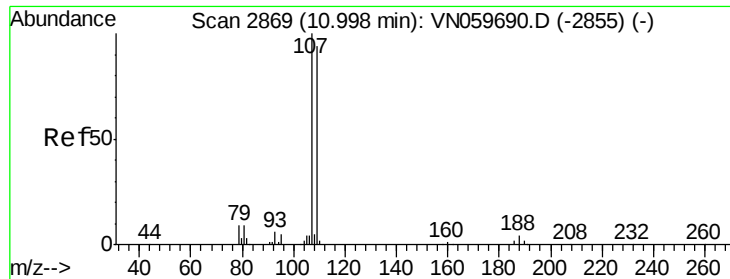
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#60
Dibromochloromethane
Concen: 20.773 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion: 129 Resp: 43311
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





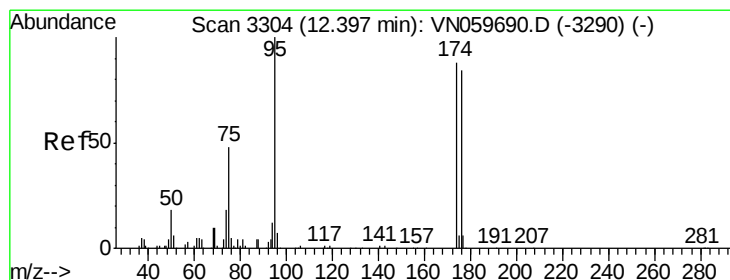
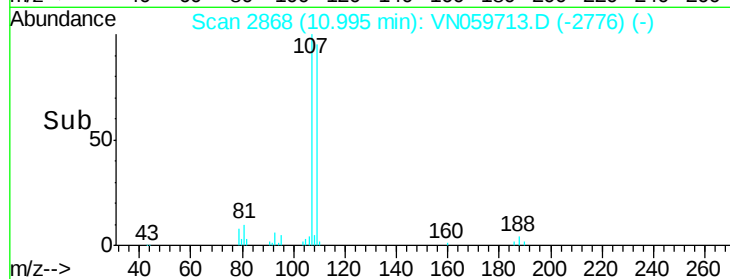
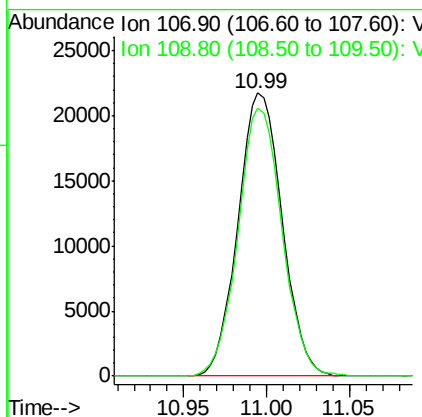
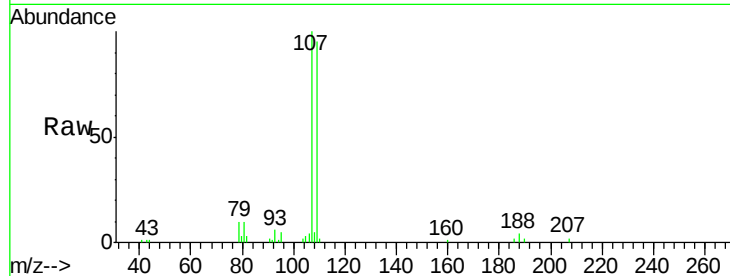
#61
 1,2-Dibromoethane
 Concen: 20.981 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.6	115.0

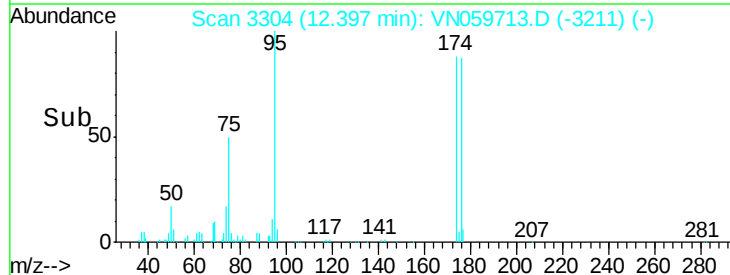
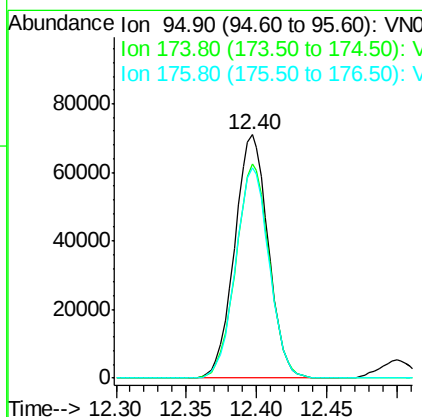
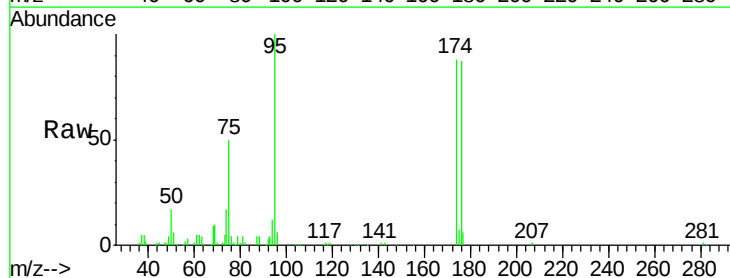
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#62
 4-Bromofluorobenzene
 Concen: 50.637 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	151.4
176	85.8	0.0	146.0





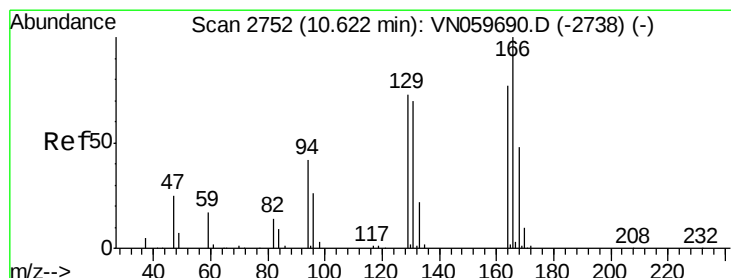
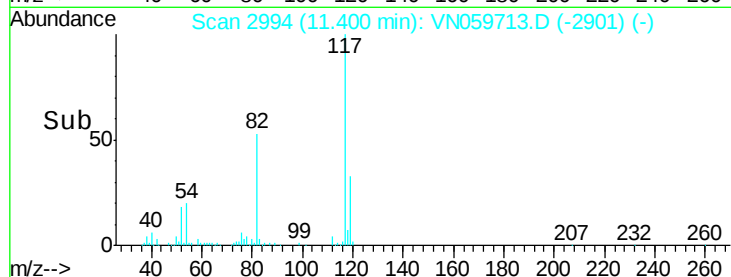
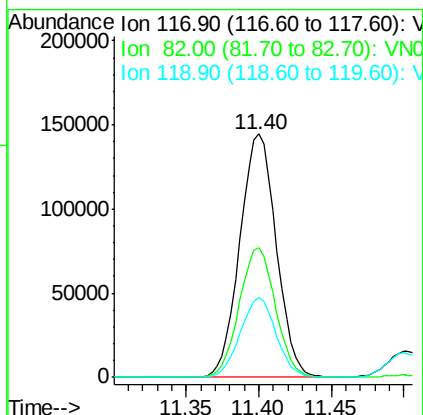
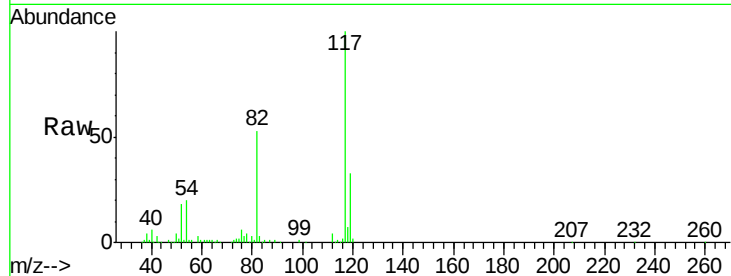
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252711		
82	53.1	45.9	68.9	
119	32.6	25.5	38.3	

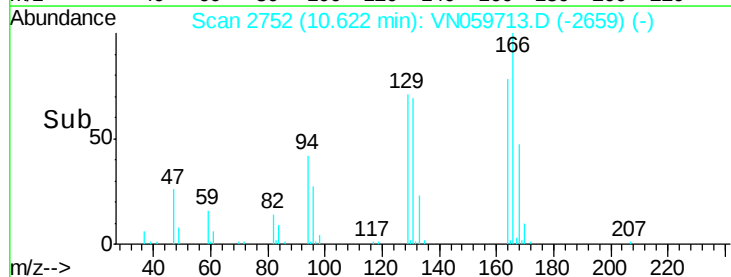
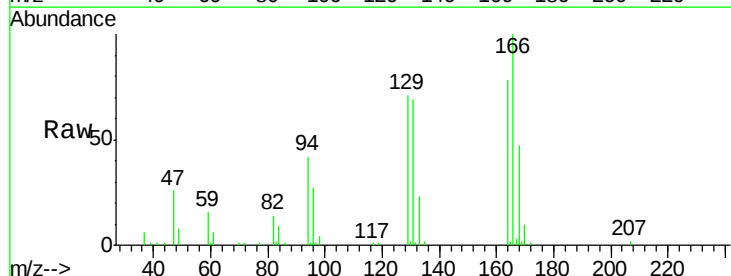
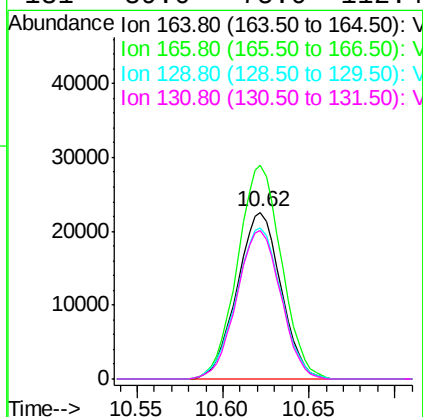
Manual Integrations
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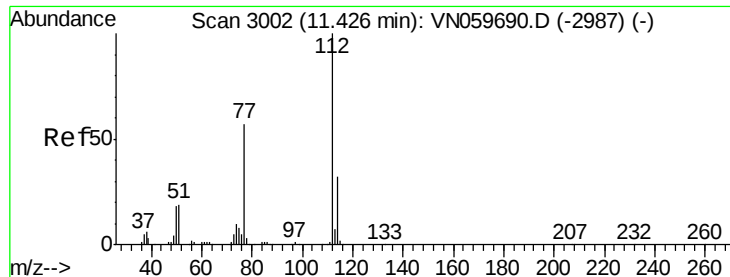
MMDadoda
1/16/2020 10:56:58 AM



#64
Tetrachloroethene
Concen: 19.363 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39880		
166	128.2	101.4	152.0	
129	91.0	80.2	120.4	
131	89.0	75.0	112.4	





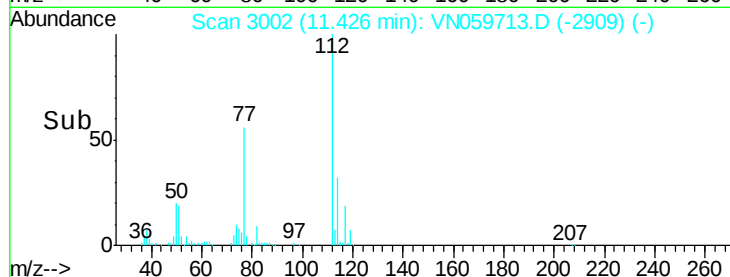
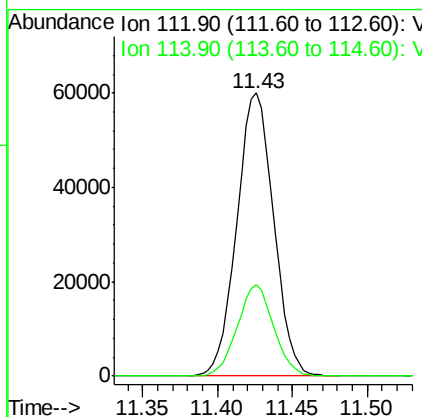
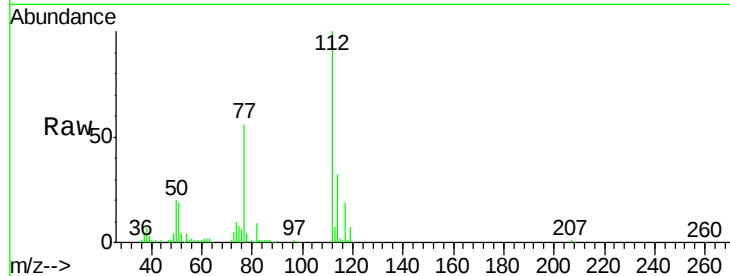
#65
Chlorobenzene
Concen: 20.750 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:112 Resp: 103069
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

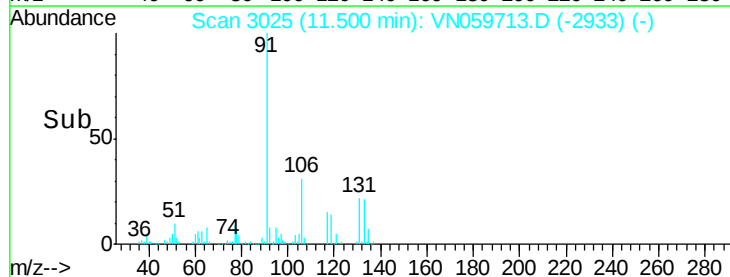
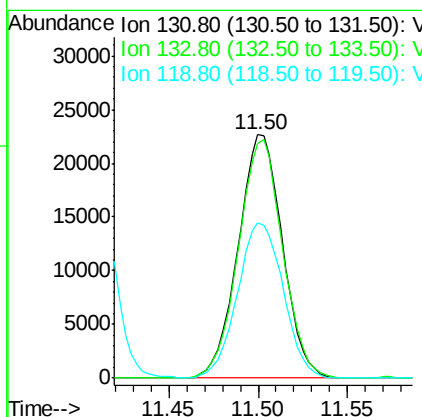
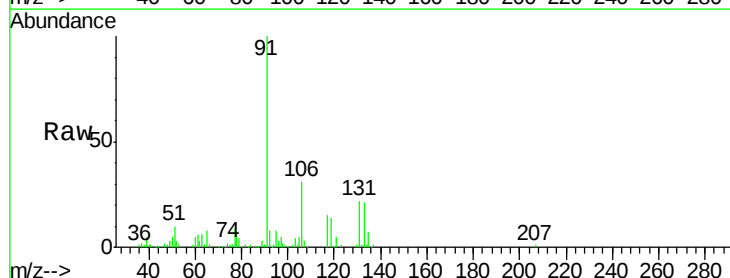
Manual Integrations
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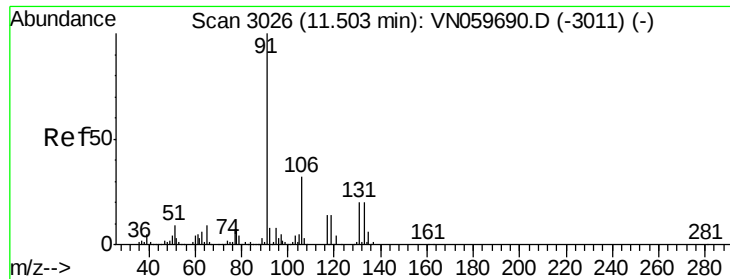
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.488 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion:131 Resp: 39322
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.2
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 20.340 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 91 Resp: 183405

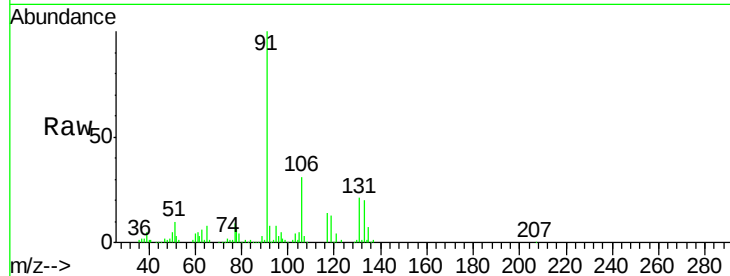
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1

Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN059713.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN059713.D (-2933) (-)

150000

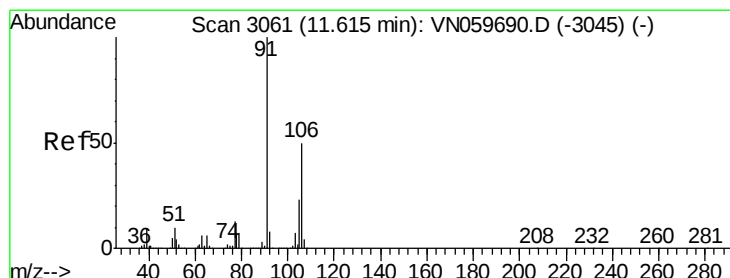
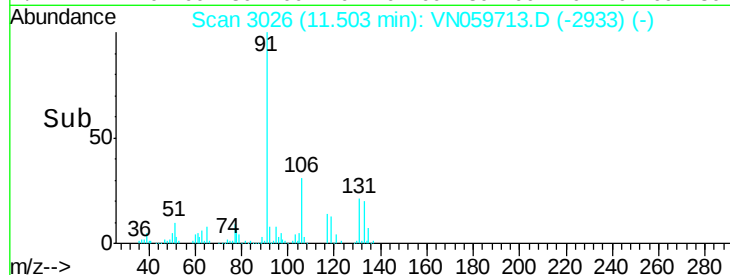
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 41.525 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059713.D

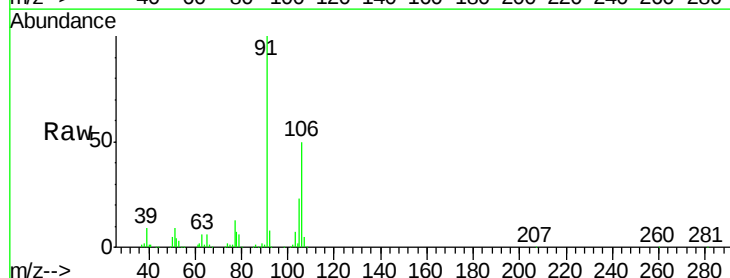
Acq: 15 Jan 2020 11:49

Tgt Ion: 106 Resp: 141435

Ion Ratio Lower Upper

106 100

91 198.8 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059713.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN059713.D (-2968) (-)

150000

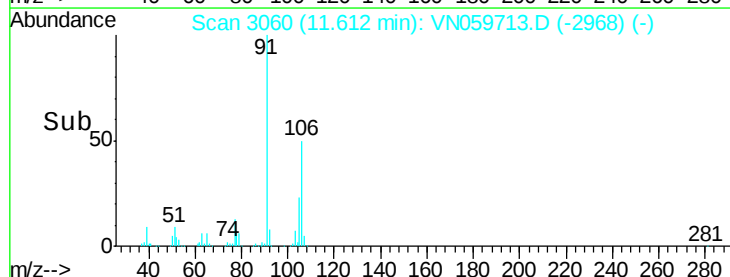
100000

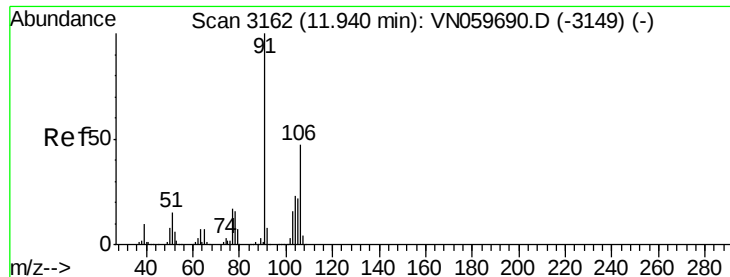
50000

0

11.60 11.61 11.70

Time-->





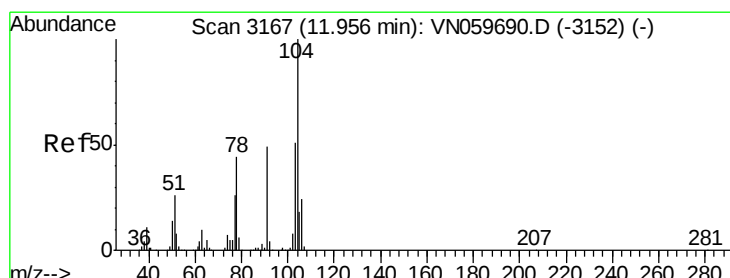
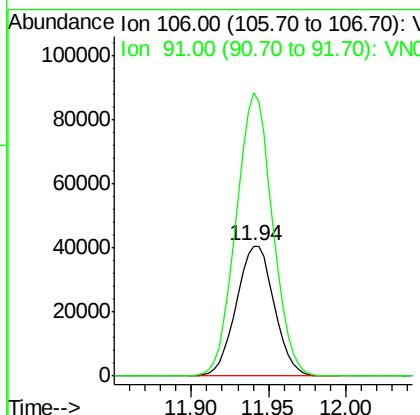
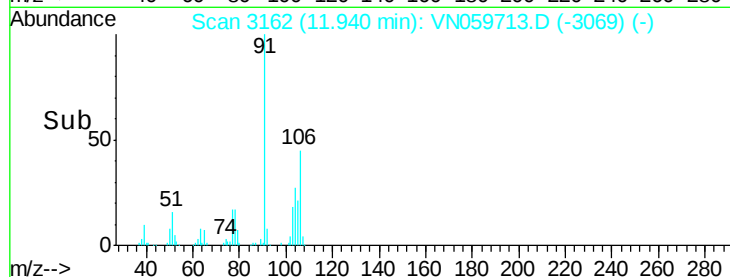
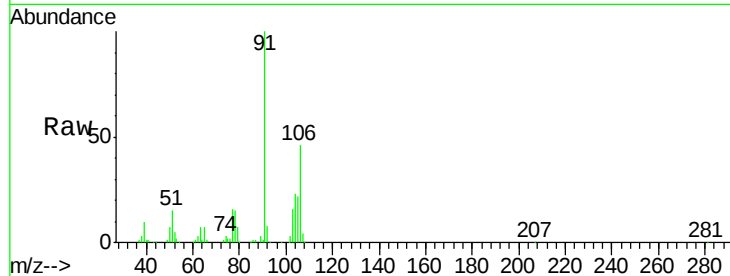
#69
o-Xylene
Concen: 20.774 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:106 Resp: 69273
Ion Ratio Lower Upper
106 100
91 209.1 110.3 330.9

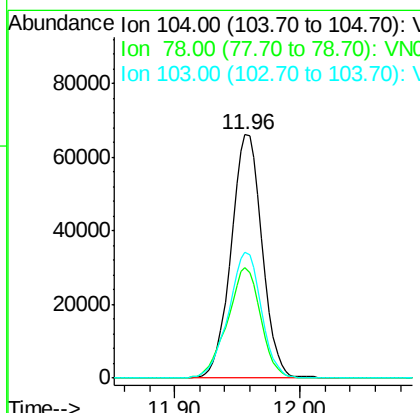
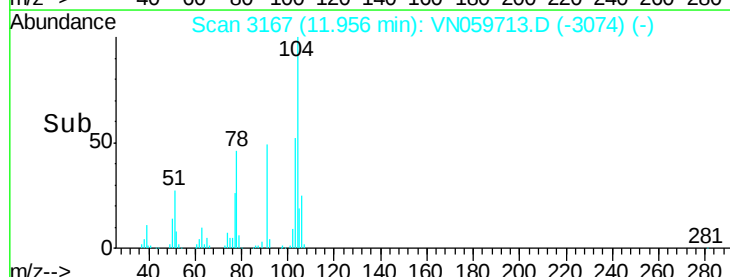
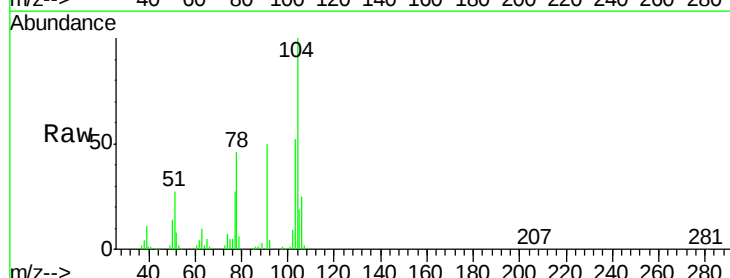
Manual Integrations
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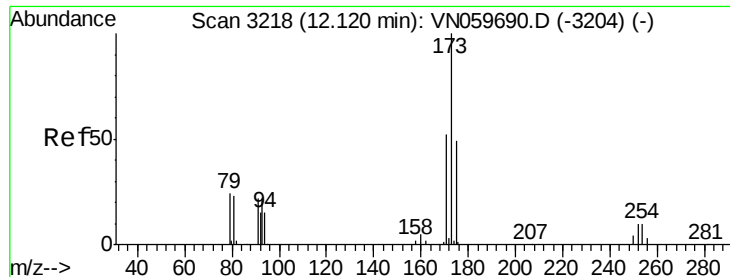
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#70
Styrene
Concen: 20.338 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion:104 Resp: 113485
Ion Ratio Lower Upper
104 100
78 48.8 42.4 63.6
103 54.7 43.9 65.9





#71

Bromoform

Concen: 21.014 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

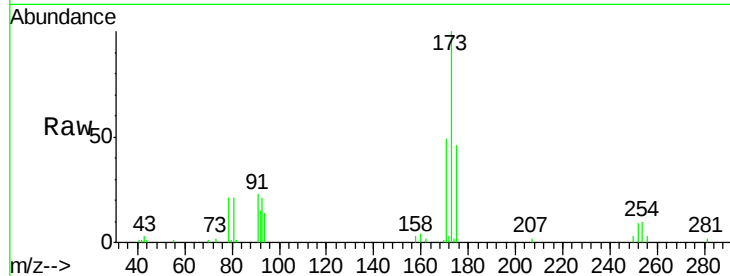
ClientSampled :

VN0115WBSD01

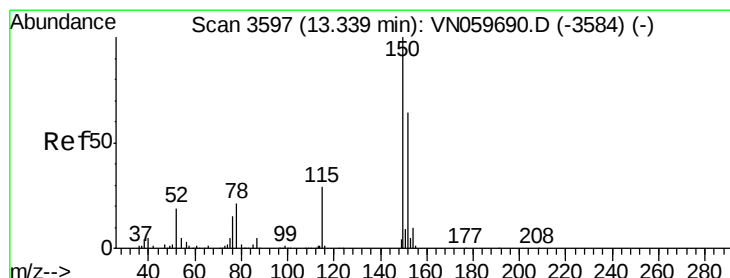
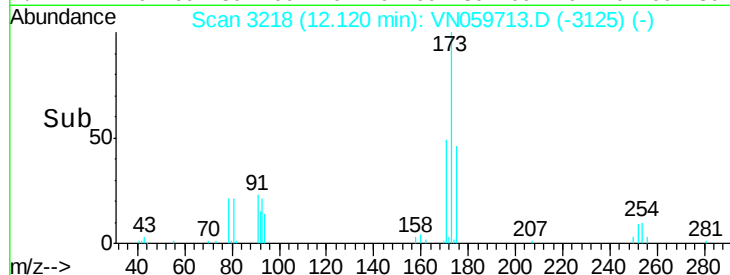
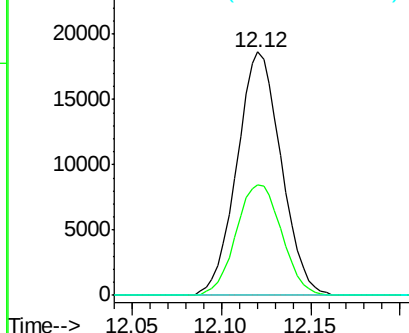
Tot Ion:	173	Resp:	32306
Ion Ratio	Lower	Upper	
173	100		
175	47.0	23.8	71.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

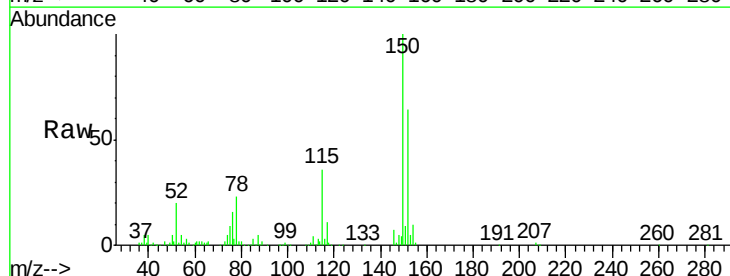
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

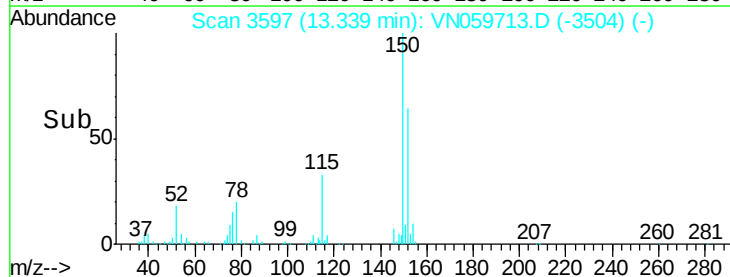
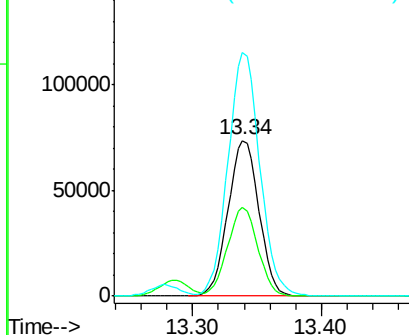
Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	152	Resp:	122728
Ion Ratio	Lower	Upper	
152	100		
115	56.0	30.3	90.9
150	160.6	0.0	345.2



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





#73

Isopropylbenzene

Concen: 20.132 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 105 Resp: 181205

Ion Ratio Lower Upper

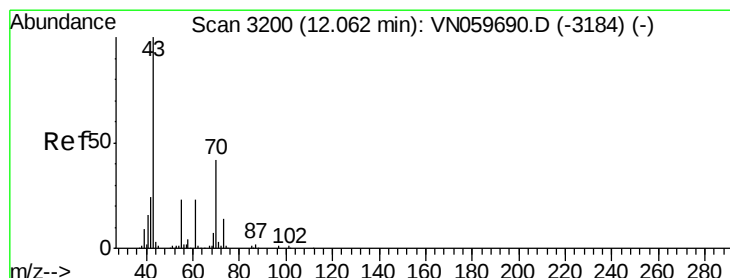
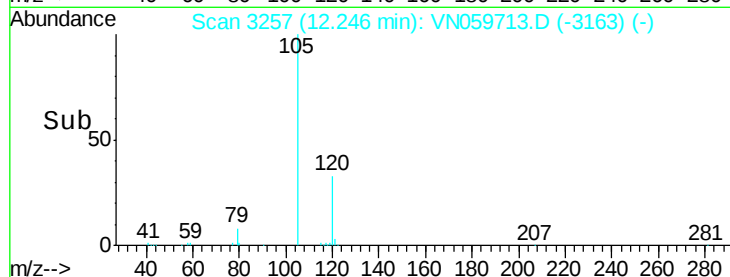
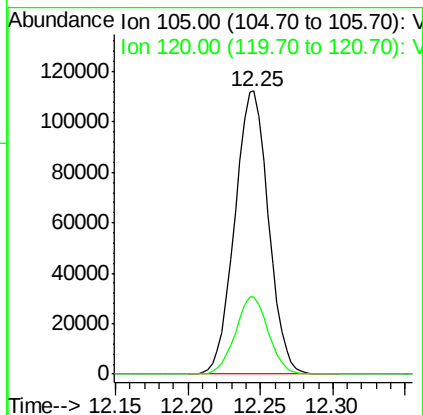
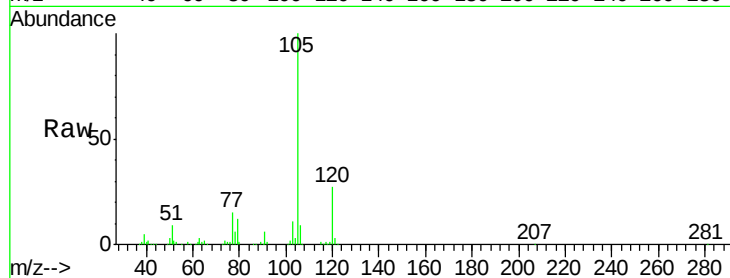
105 100

120 26.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 18.681 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion: 43 Resp: 65246

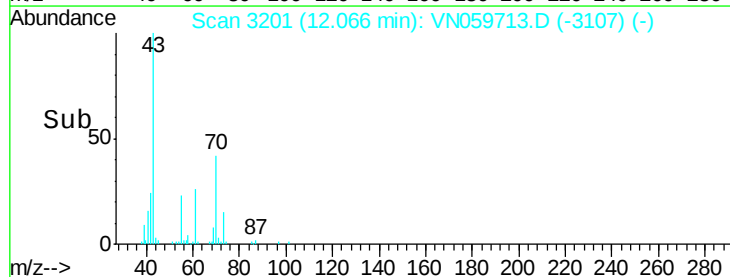
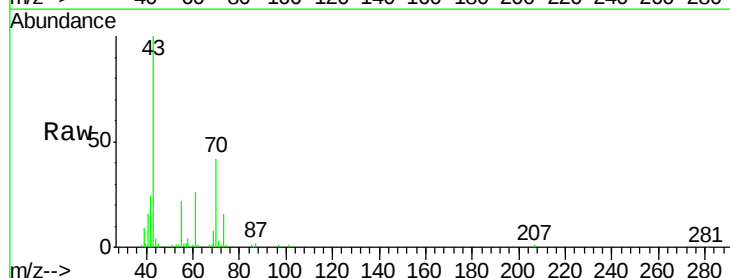
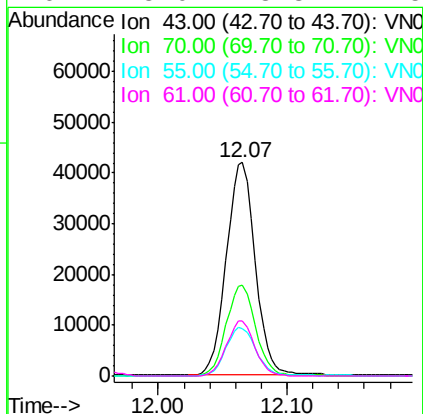
Ion Ratio Lower Upper

43 100

70 43.6 31.3 46.9

55 24.1 19.8 29.6

61 25.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.289 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

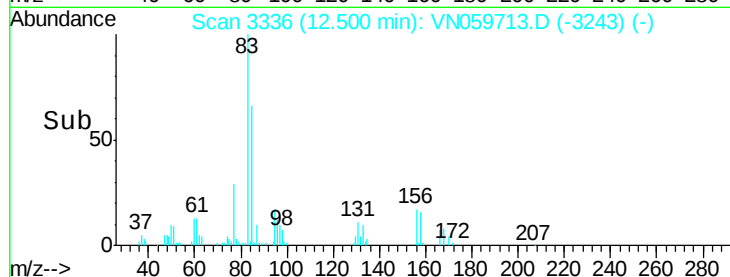
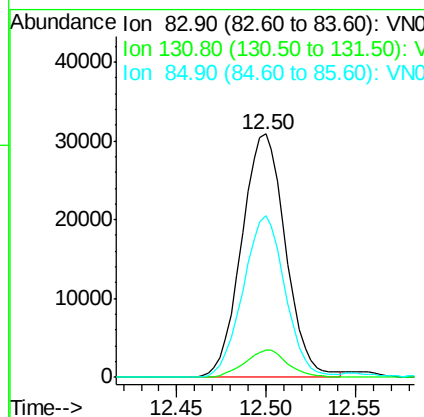
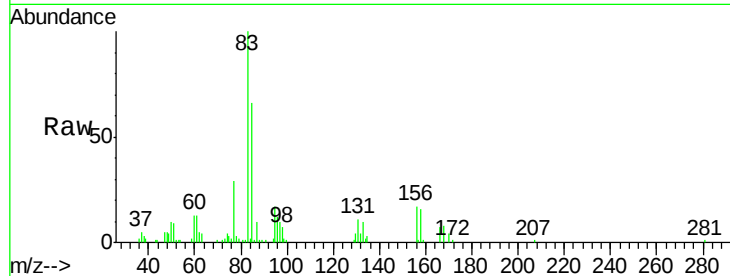
ClientSampleId :

VN0115WBSD01

Tot Ion:	83	Resp:	52941
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	63.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.441 ug/l m

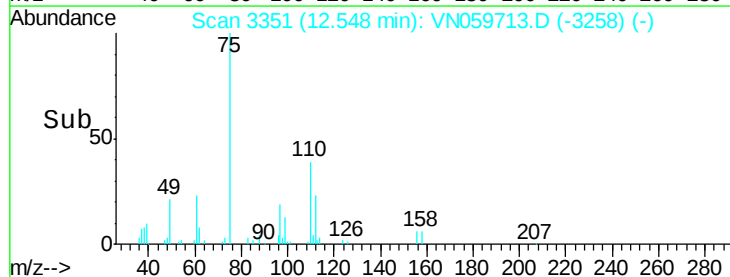
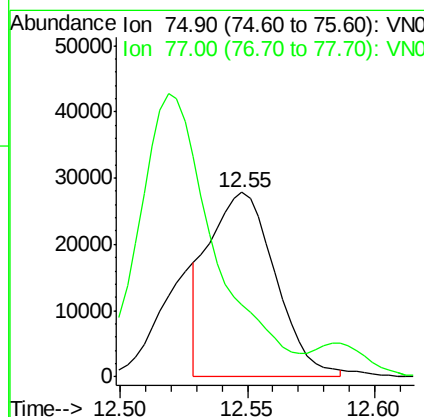
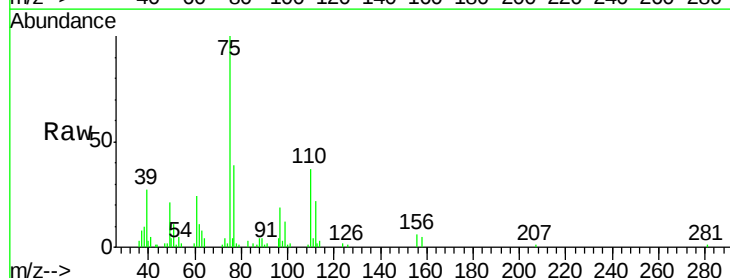
RT: 12.55 min Scan# 3351

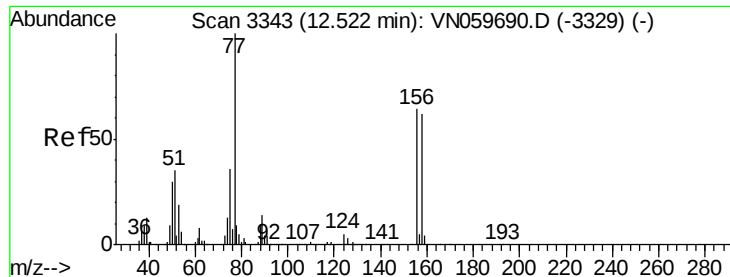
Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	75	Resp:	50481
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.531 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion:156 Resp: 46798

Ion Ratio Lower Upper

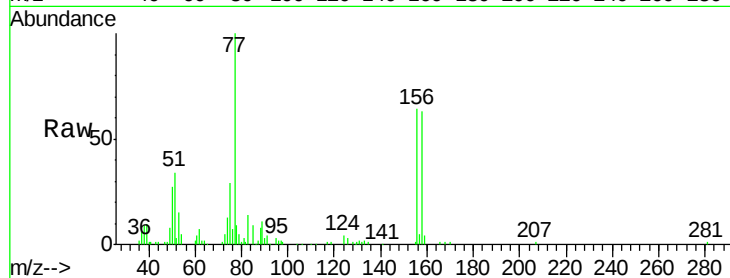
156 100

77 188.7 115.8 347.4

158 96.9 49.2 147.6

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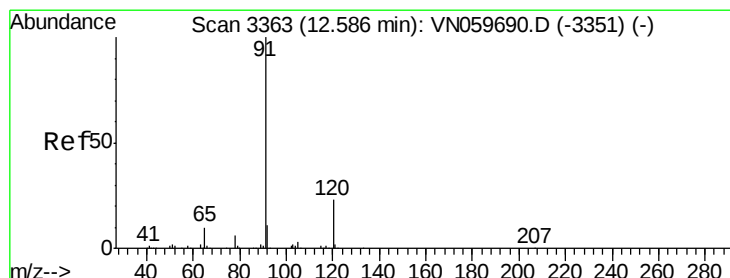
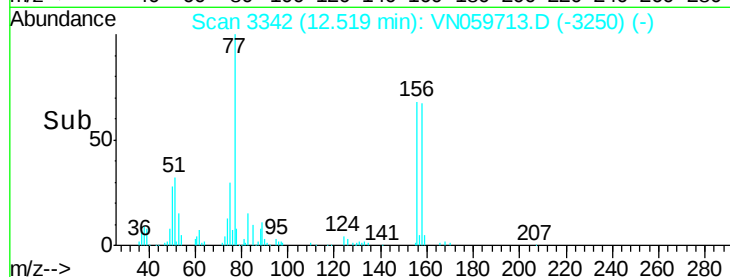
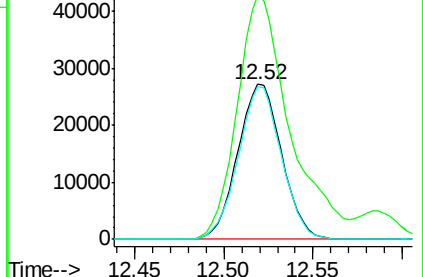
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.981 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059713.D

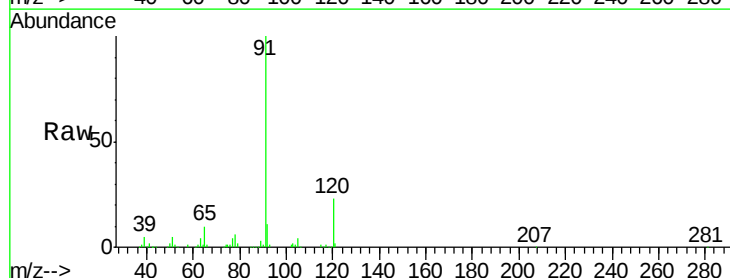
Acq: 15 Jan 2020 11:49

Tgt Ion: 91 Resp: 201863

Ion Ratio Lower Upper

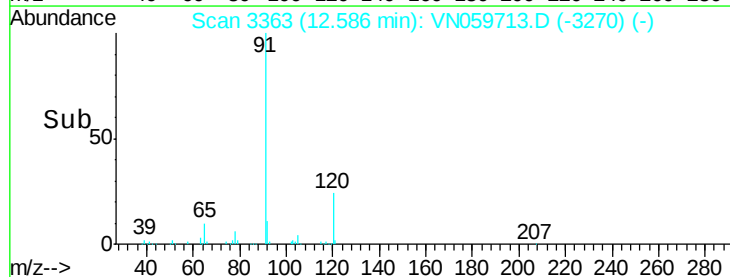
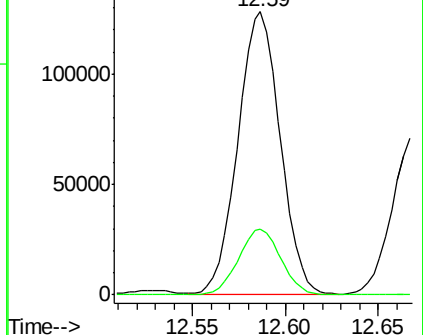
91 100

120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.684 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 91 Resp: 118303

Ion Ratio Lower Upper

91 100

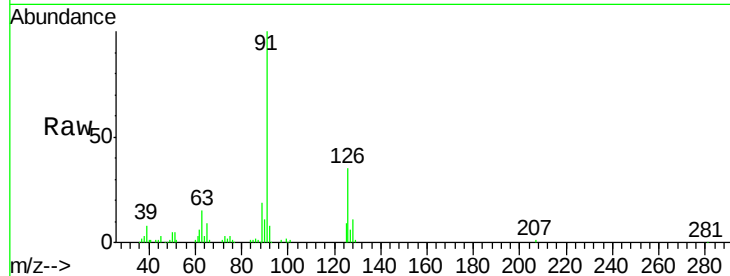
126 35.4 16.3 48.9

Manual Integrations

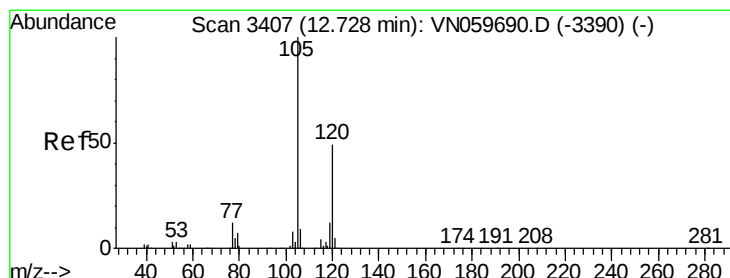
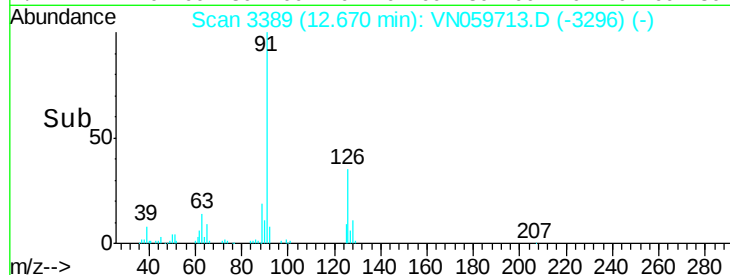
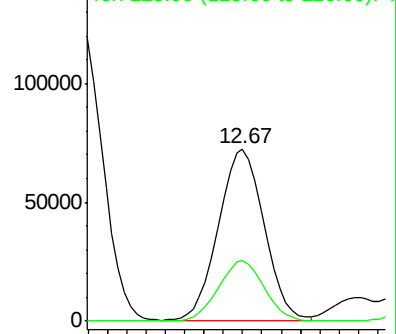
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Abundance Ion 91.00 (90.70 to 91.70): VN059713.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.209 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059713.D

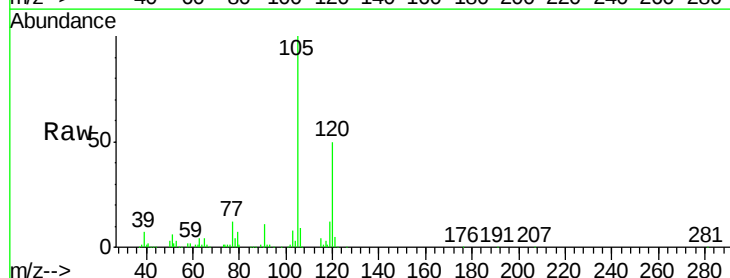
Acq: 15 Jan 2020 11:49

Tgt Ion: 105 Resp: 152973

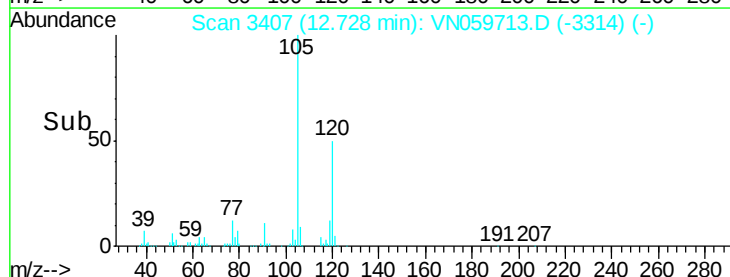
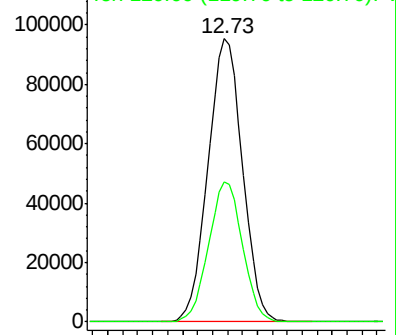
Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059713.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.416 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

Tot Ion: 75 Resp: 18674

Ion Ratio Lower Upper

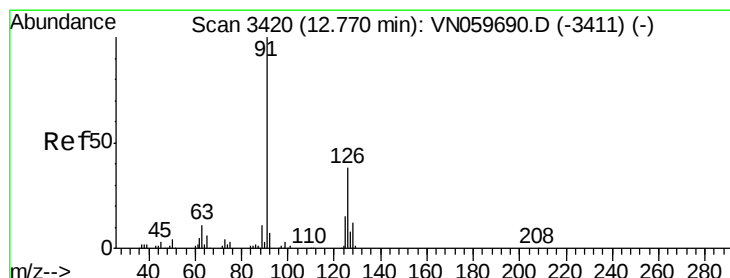
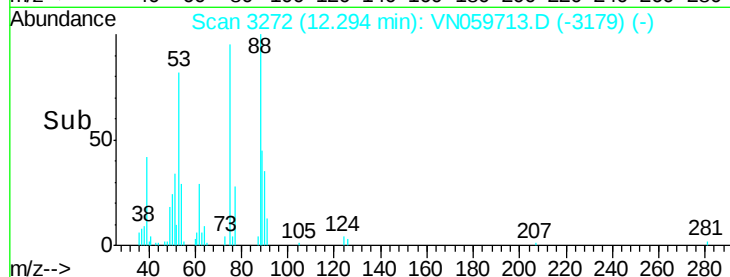
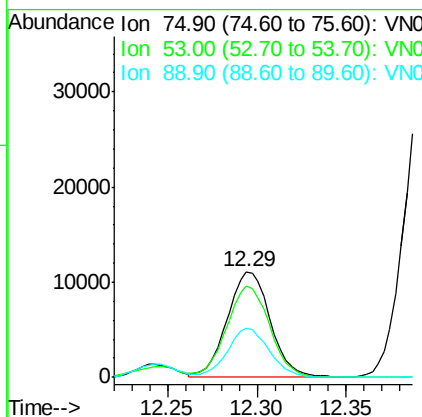
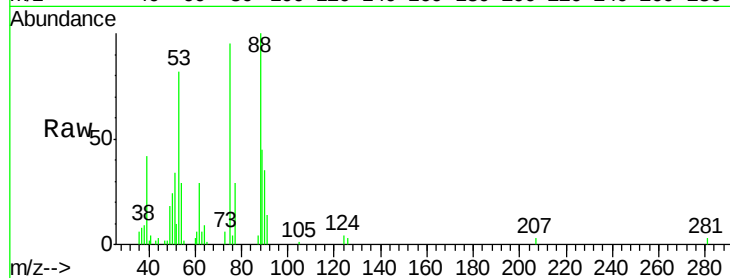
75 100

53 86.8 78.1 117.1

89 45.2 35.4 53.2

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#82

4-Chlorotoluene

Concen: 20.197 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059713.D

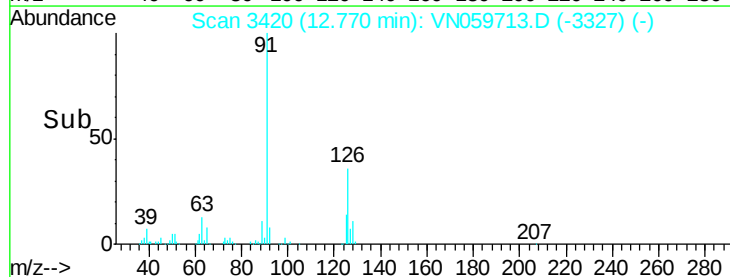
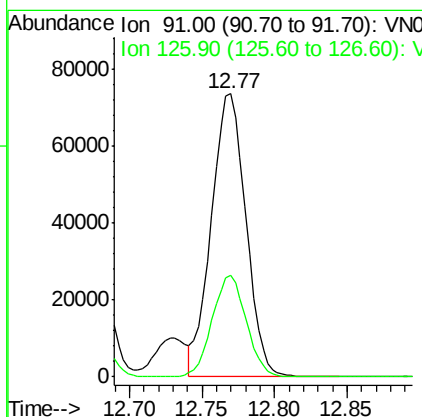
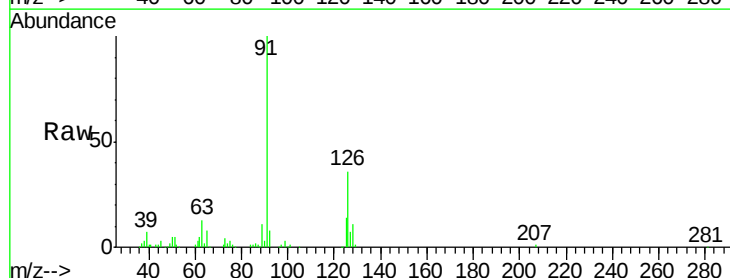
Acq: 15 Jan 2020 11:49

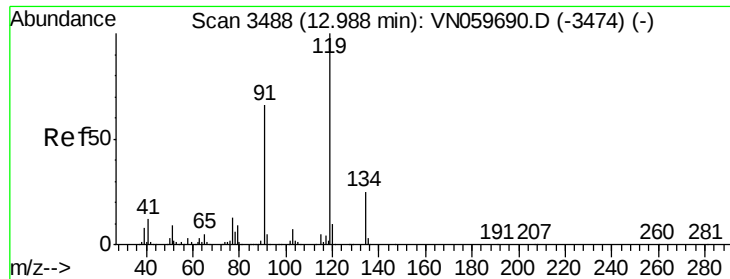
Tgt Ion: 91 Resp: 121752

Ion Ratio Lower Upper

91 100

126 35.3 16.3 48.8





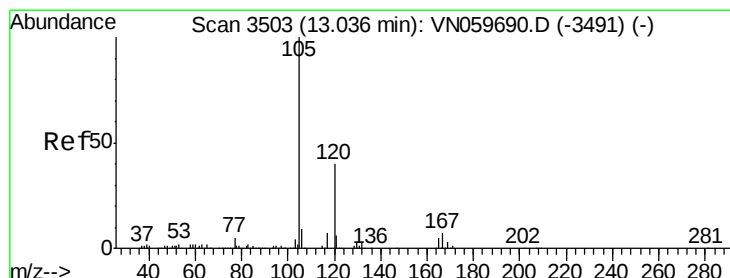
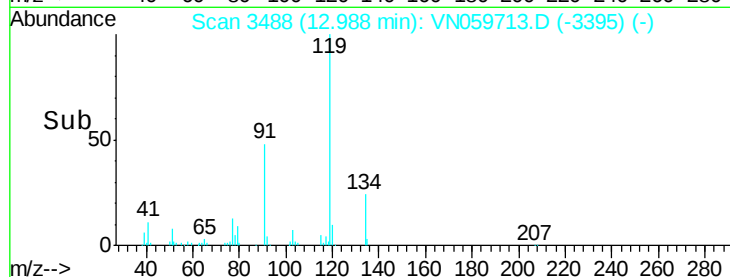
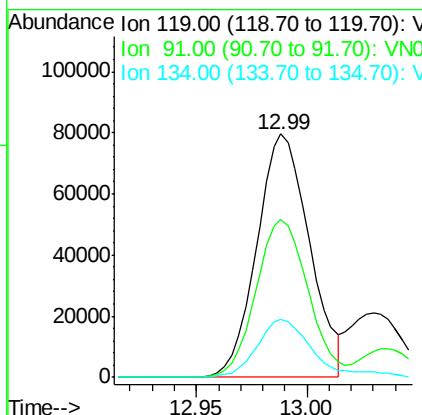
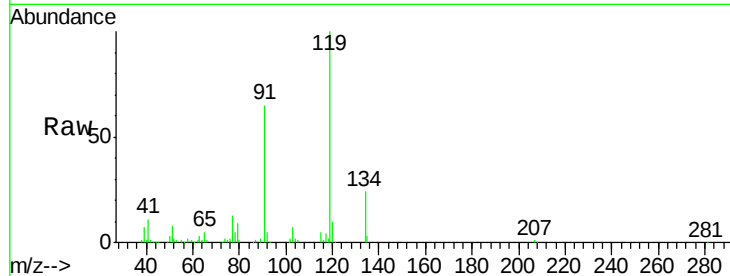
#83
tert-Butylbenzene
Concen: 20.123 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	34.8	104.4
134	25.5	12.3	36.9

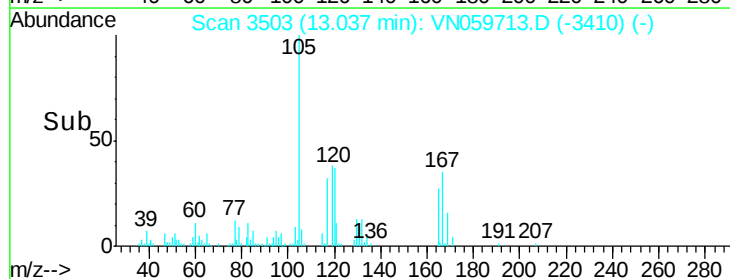
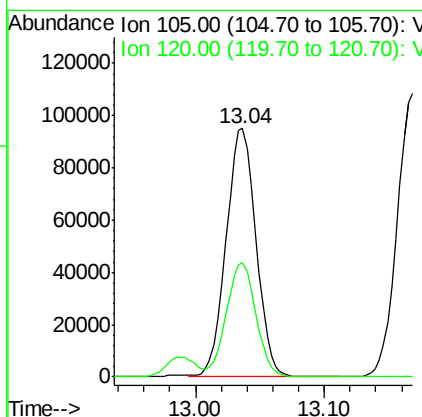
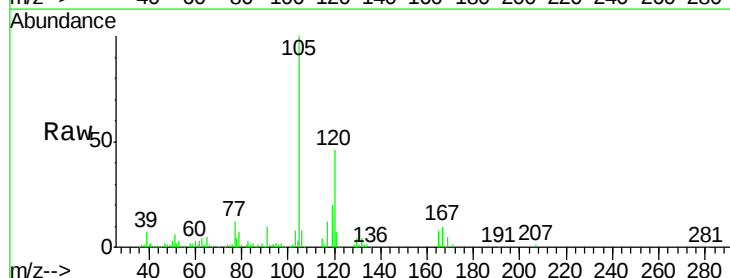
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 20.448 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





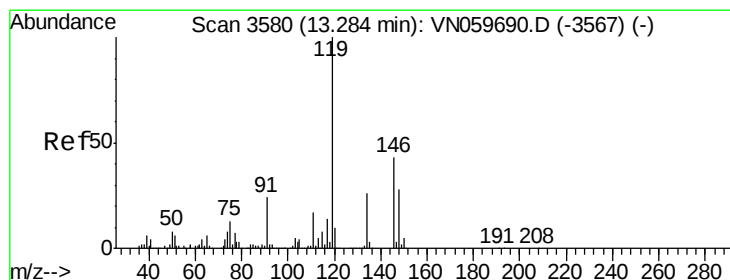
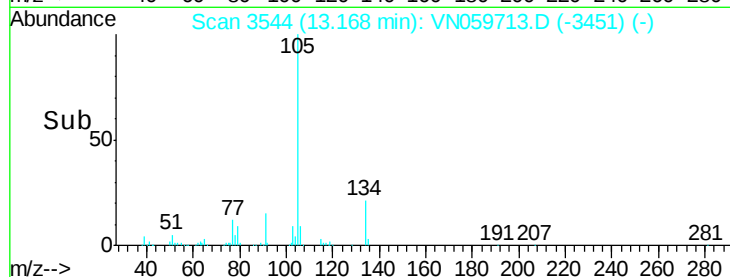
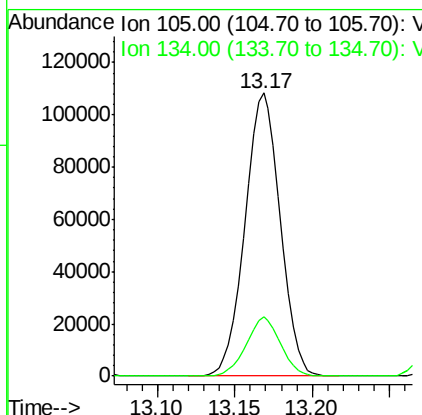
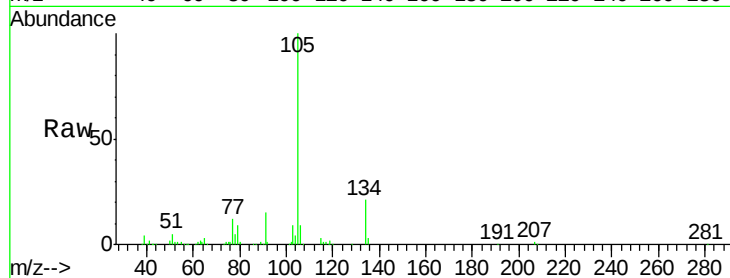
#85
 sec-Butylbenzene
 Concen: 19.974 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

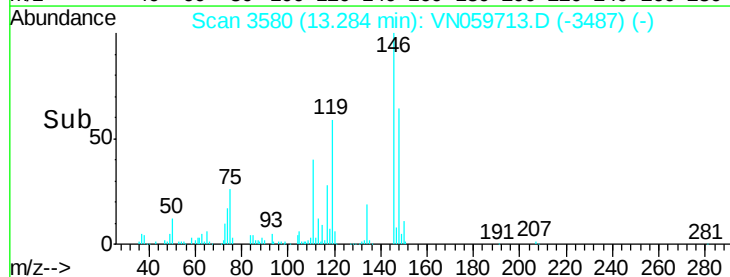
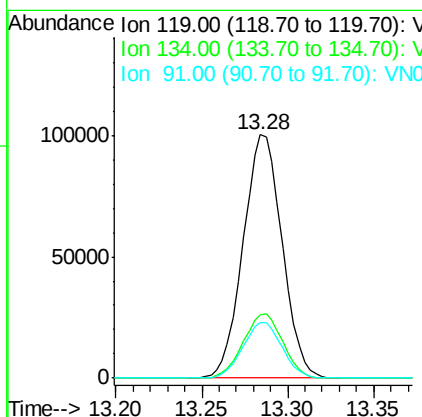
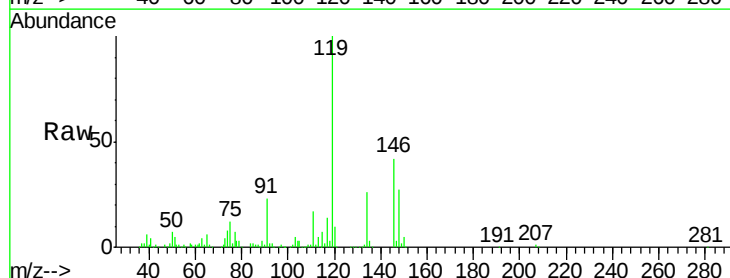
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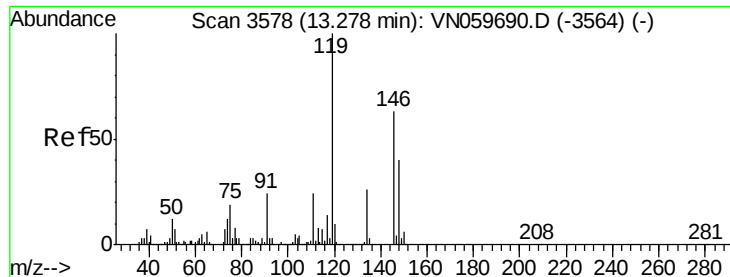
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#86
 p-Isopropyltoluene
 Concen: 19.822 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.7
91	23.0	12.4	37.4





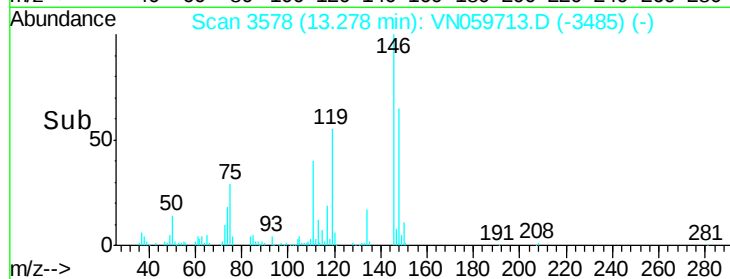
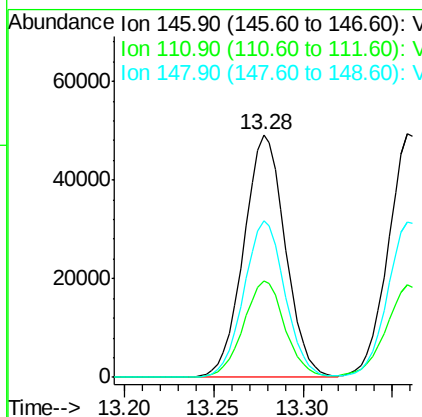
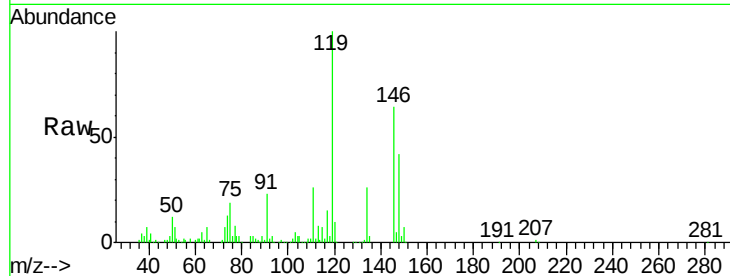
#87
 1,3-Dichlorobenzene
 Concen: 20.201 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	63.9	32.0	96.0

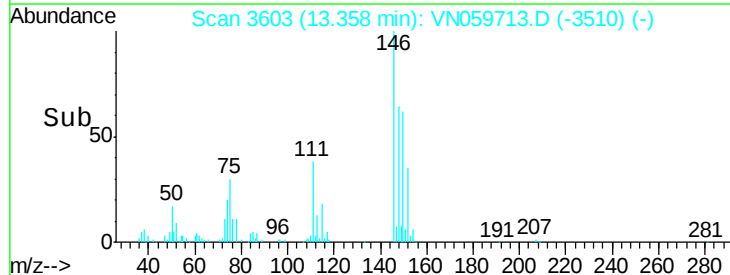
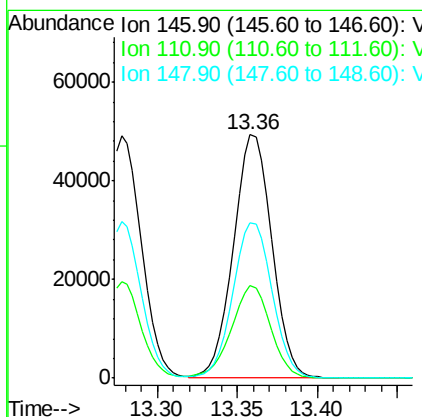
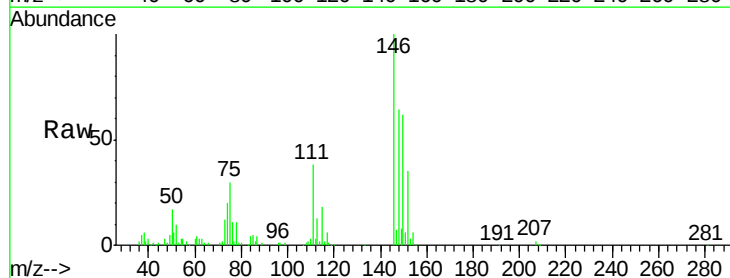
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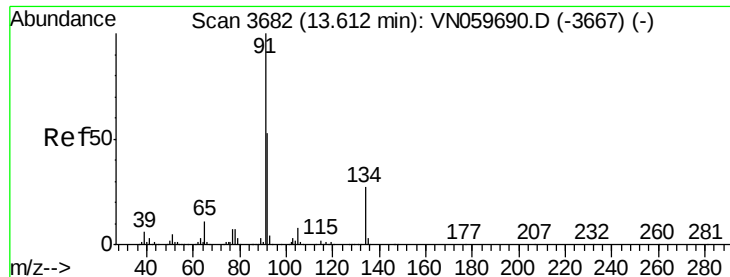
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#88
 1,4-Dichlorobenzene
 Concen: 20.475 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	65.1	31.8	95.4





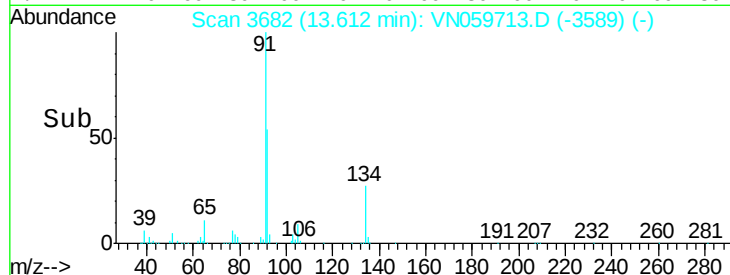
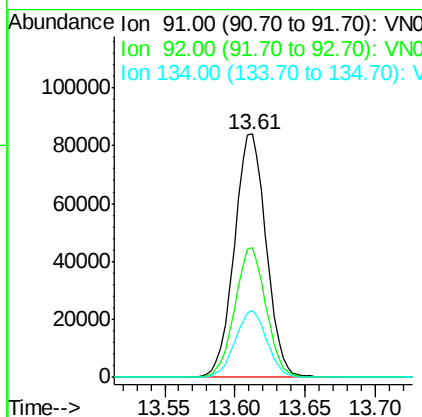
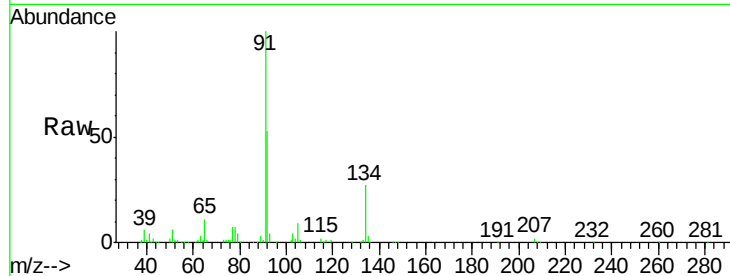
#89
n-Butylbenzene
Concen: 19.601 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	27.2	12.3	36.8

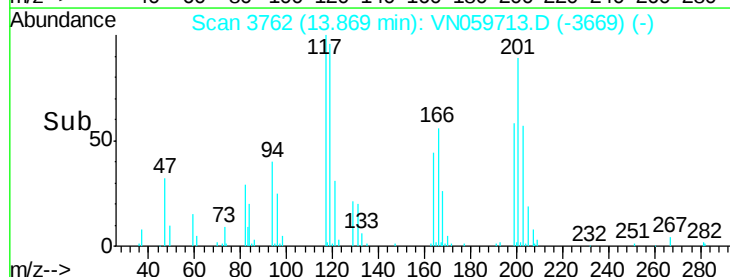
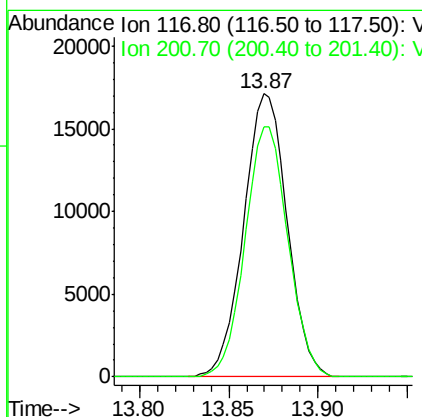
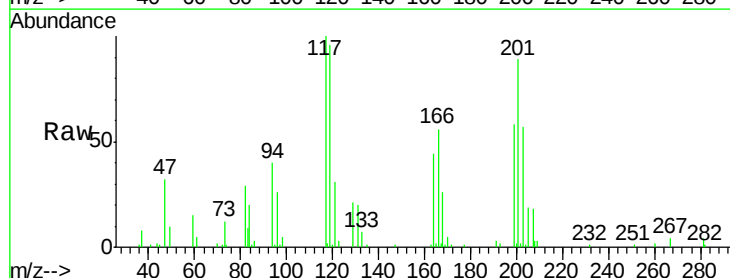
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#90
Hexachloroethane
Concen: 19.561 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059713.D
Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	37.8	113.4





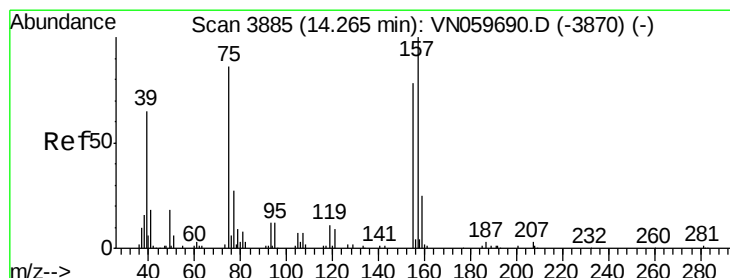
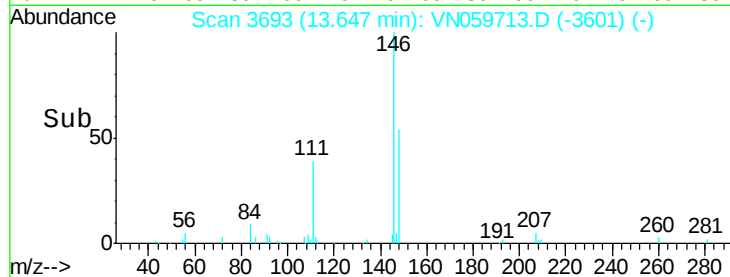
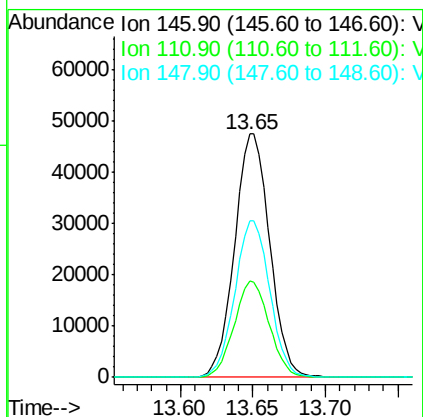
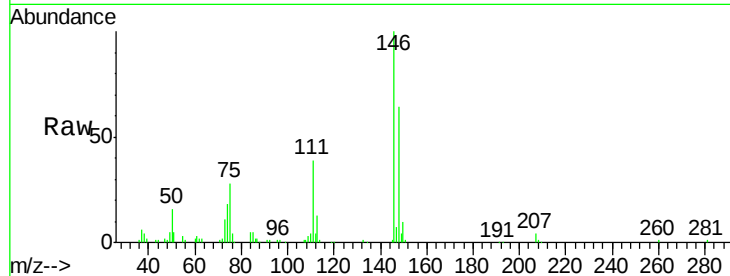
#91
 1,2-Dichlorobenzene
 Concen: 20.390 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.6	64.8
148	64.0	31.6	95.0

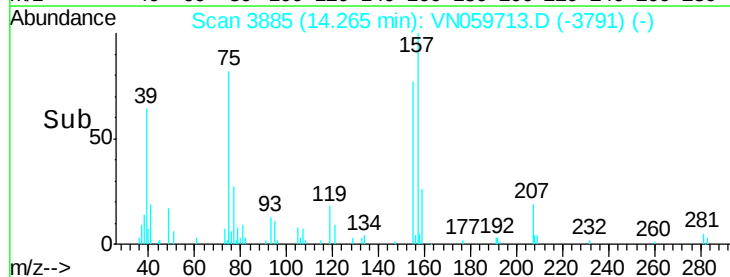
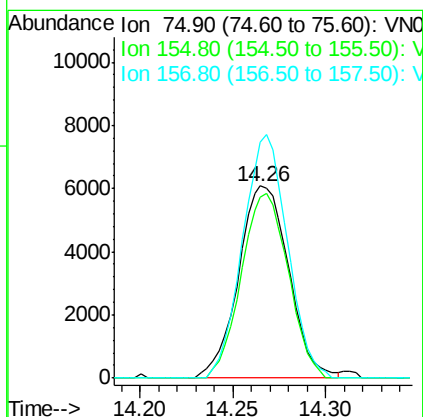
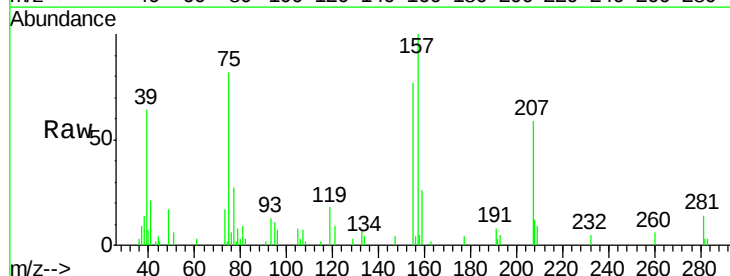
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.161 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	37.0	110.9
157	112.9	48.4	145.2





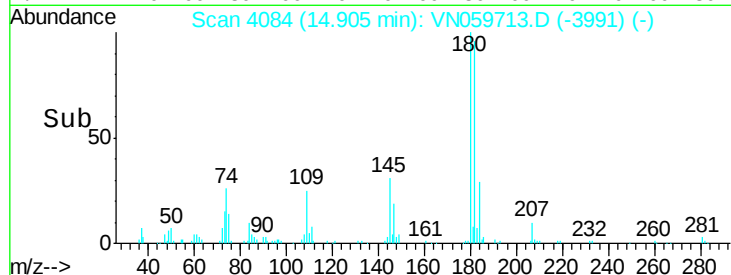
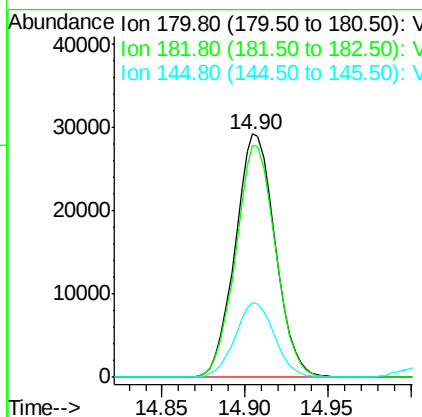
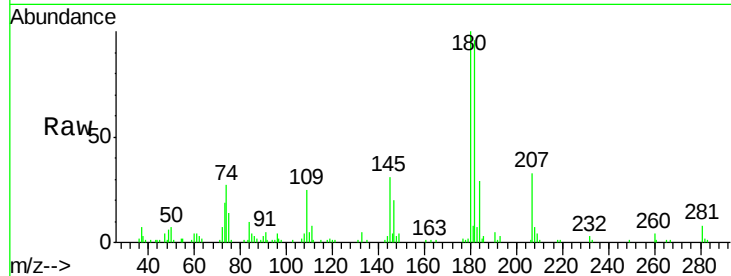
#93
 1,2,4-Trichlorobenzene
 Concen: 20.763 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.7
145	30.4	15.0	45.1

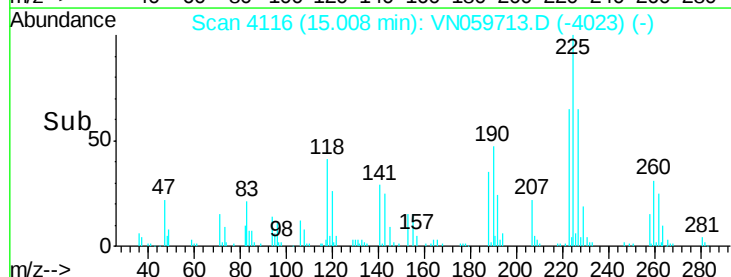
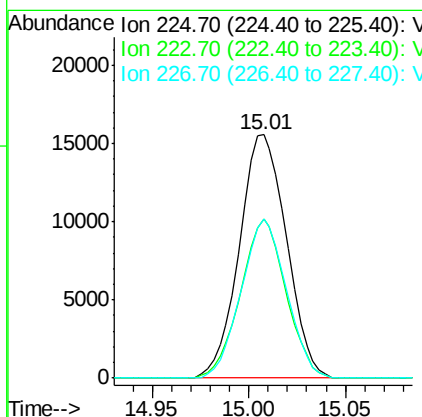
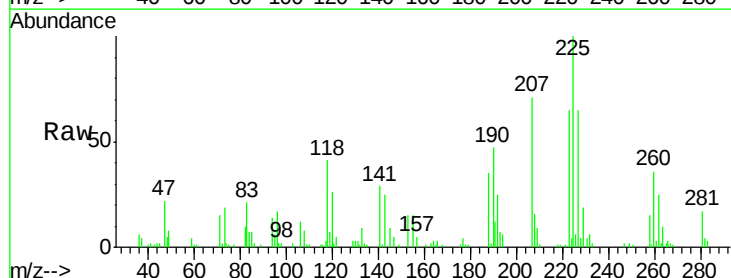
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.305 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059713.D
 Acq: 15 Jan 2020 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.3
227	62.8	32.1	96.5





#95

Naphthalene

Concen: 19.901 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Instrument :

MSVOA_N

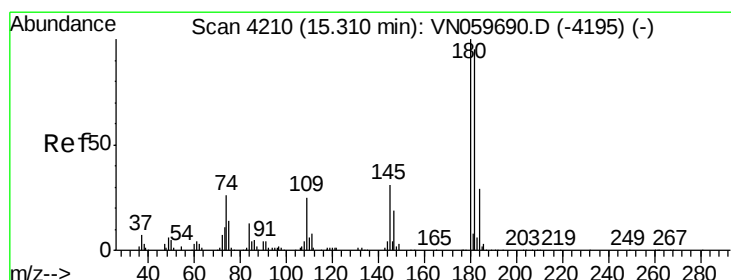
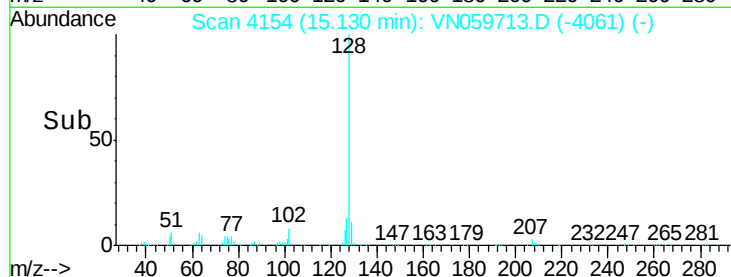
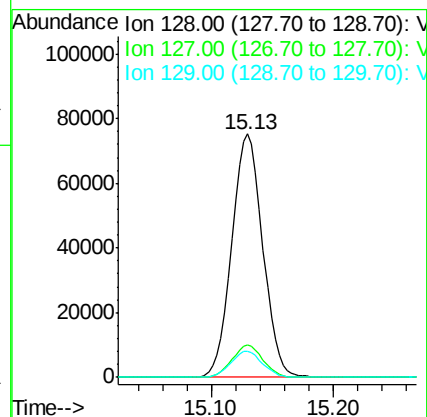
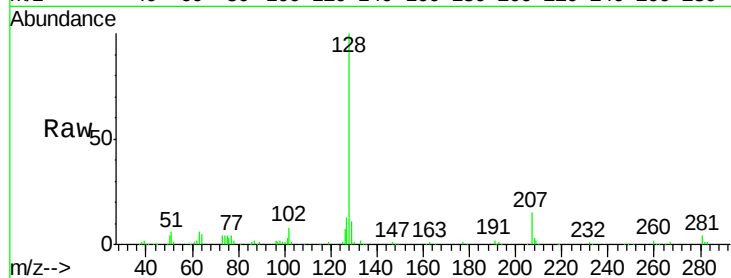
ClientSampleId :

VN0115WBSD01

Tot Ion:	128	Resp:	133140
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.258 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059713.D

Acq: 15 Jan 2020 11:49

Tgt Ion:	180	Resp:	46378
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.3
145	32.1	16.3	48.9

