

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060020.D
 Acq On : 7 Feb 2020 10:49
 Operator : JC/MD
 Sample : VN0207WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:46 AM

Quant Time: Feb 07 23:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	170962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	268927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107216	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.57	113	86962	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	10.08	98	323850	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	117830	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31005	15.016	ug/l	97
3) Chloromethane	2.04	50	32630	16.671	ug/l	99
4) Vinyl Chloride	2.17	62	42333	18.903	ug/l	95
5) Bromomethane	2.55	94	26018	19.037	ug/l	97
6) Chloroethane	2.69	64	19716	18.609	ug/l	98
7) Trichlorofluoromethane	3.00	101	51031	18.974	ug/l	99
8) Diethyl Ether	3.39	74	19402	20.556	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30428	20.328	ug/l	94
10) Methyl Iodide	3.93	142	38287	15.824	ug/l	96
11) Tert butyl alcohol	4.72	59	33461	104.691	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27962	17.877	ug/l	91
13) Acrolein	3.58	56	11648	51.483	ug/l	99
14) Allyl chloride	4.30	41	41357	19.617	ug/l #	84
15) Acrylonitrile	4.94	53	80633	110.597	ug/l	100
16) Acetone	3.78	43	91892	137.398	ug/l	96
17) Carbon Disulfide	4.03	76	66036	14.821	ug/l	98
18) Methyl Acetate	4.29	43	51337	23.149	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	110579	21.683	ug/l	97
20) Methylene Chloride	4.52	84	33955	18.964	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	30270	18.206	ug/l	87
22) Diisopropyl ether	5.91	45	103859	21.738	ug/l	92
23) Vinyl Acetate	5.86	43	372044	100.577	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	60217	20.627	ug/l	96
25) 2-Butanone	6.80	43	117342	109.140	ug/l	90
26) 2,2-Dichloropropane	6.80	77	56321	20.068	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	38446	20.104	ug/l	89
28) Bromochloromethane	7.17	49	24361	20.879	ug/l #	82
29) Tetrahydrofuran	7.18	42	69016	103.749	ug/l	88
30) Chloroform	7.35	83	64970	21.480	ug/l	98
31) Cyclohexane	7.63	56	50498	17.977	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	56984	20.375	ug/l	97
36) 1,1-Dichloropropene	7.77	75	43790	18.698	ug/l	96
37) Ethyl Acetate	6.90	43	46558	21.196	ug/l	97
38) Carbon Tetrachloride	7.75	117	50063	19.652	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	52673	18.241	ug/l	94
40) Benzene	8.02	78	136360	19.523	ug/l	99
41) Methacrylonitrile	7.15	41	17510m	16.184	ug/l	
42) 1,2-Dichloroethane	8.10	62	51686	21.826	ug/l	98
43) Isopropyl Acetate	8.14	43	79516	21.047	ug/l	97
44) Trichloroethene	8.82	130	38287	20.080	ug/l	94
45) 1,2-Dichloropropane	9.10	63	36762	21.271	ug/l	100
46) Dibromomethane	9.19	93	25742	21.115	ug/l	93
47) Bromodichloromethane	9.39	83	52229	21.259	ug/l	99
48) Methyl methacrylate	9.18	41	33871	20.043	ug/l	91
49) 1,4-Dioxane	9.18	88	13375	432.337	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	231873	106.169	ug/l	96
52) Toluene	10.14	92	88504	20.061	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	58389	21.285	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	60686	21.025	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	38034	21.767	ug/l	98
56) Ethyl methacrylate	10.42	69	53311	19.968	ug/l	94
57) 1,3-Dichloropropane	10.70	76	61264	22.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84556	105.147	ug/l	92
59) 2-Hexanone	10.74	43	174151	108.238	ug/l	94
60) Dibromochloromethane	10.89	129	42822	21.521	ug/l	98
61) 1,2-Dibromoethane	11.00	107	38546	21.048	ug/l	98
64) Tetrachloroethene	10.62	164	45005	22.237	ug/l	97
65) Chlorobenzene	11.43	112	98372	20.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39074	20.718	ug/l	99
67) Ethyl Benzene	11.51	91	173713	19.605	ug/l	98
68) m/p-Xylenes	11.62	106	128205	38.305	ug/l	95
69) o-Xylene	11.94	106	63189	19.284	ug/l	96
70) Styrene	11.96	104	101243	18.465	ug/l	98
71) Bromoform	12.12	173	31103	20.588	ug/l #	98
73) Isopropylbenzene	12.25	105	171239	20.116	ug/l	100
74) N-amyl acetate	12.07	43	64660	19.575	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52916	21.443	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46909m	24.015	ug/l	
77) Bromobenzene	12.52	156	42988	19.941	ug/l	88
78) n-propylbenzene	12.59	91	191866	20.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	113712	20.006	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	142868	19.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18678	20.534	ug/l	97
82) 4-Chlorotoluene	12.77	91	118745	20.828	ug/l	98
83) tert-Butylbenzene	12.99	119	124169	20.054	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	144024	20.335	ug/l	100
85) sec-Butylbenzene	13.17	105	165439	20.337	ug/l	100
86) p-Isopropyltoluene	13.29	119	153165	20.348	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	75437	20.146	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	75013	20.081	ug/l	98
89) n-Butylbenzene	13.61	91	129538	20.183	ug/l	98
90) Hexachloroethane	13.87	117	28131	19.975	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	75827	20.483	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11314	20.111	ug/l	88

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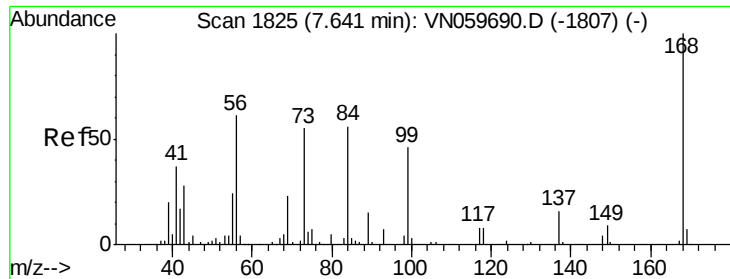
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44541	20.024	ug/l	98
94) Hexachlorobutadiene	15.01	225	25685	20.954	ug/l	98
95) Naphthalene	15.13	128	127896	20.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45502	21.015	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion:168 Resp: 170962

Ion Ratio Lower Upper

168 100

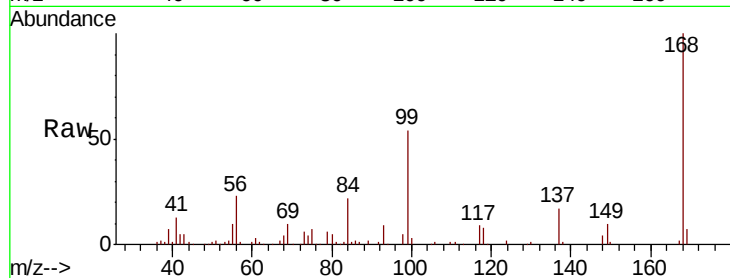
99 54.5 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

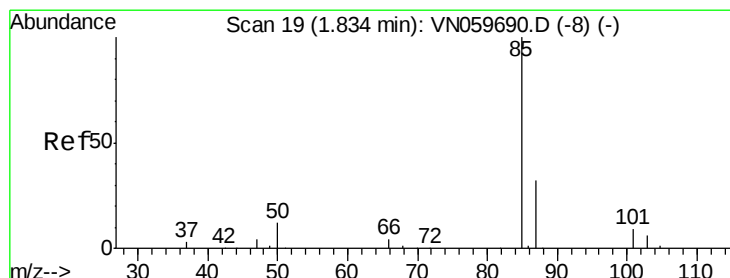
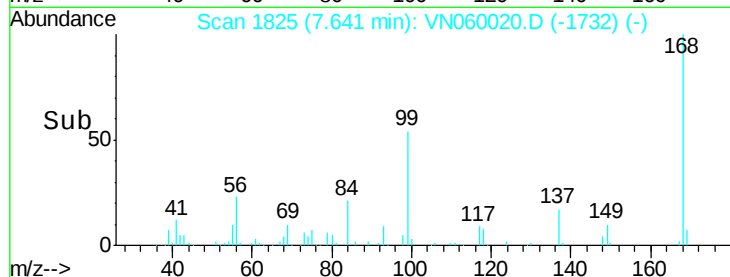
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.016 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060020.D

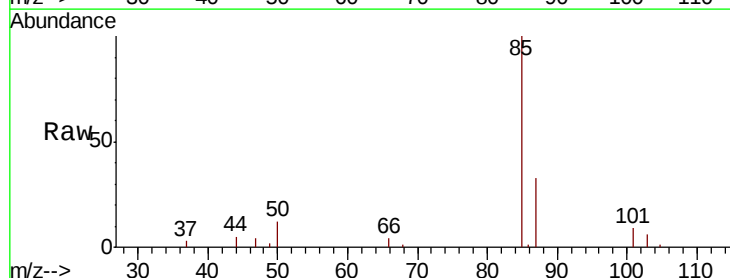
Acq: 7 Feb 2020 10:49

Tgt Ion: 85 Resp: 31005

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

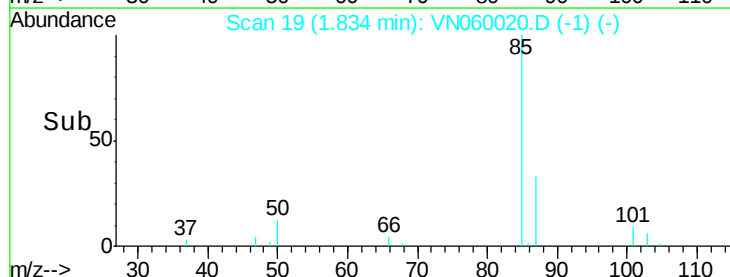
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.671 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampled :

VN0207WBSD01

Tot Ion: 50 Resp: 32630

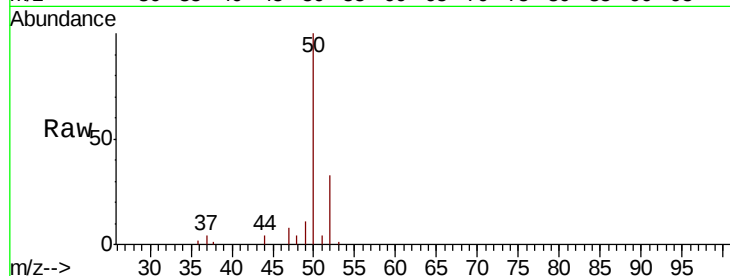
Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9

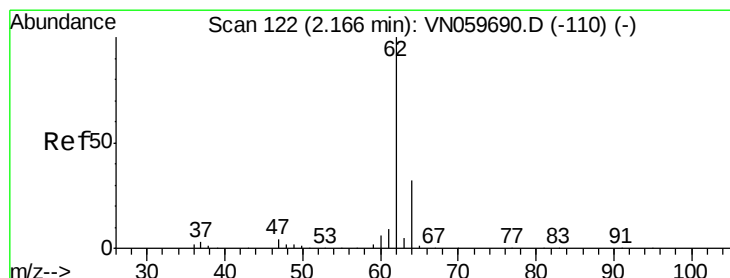
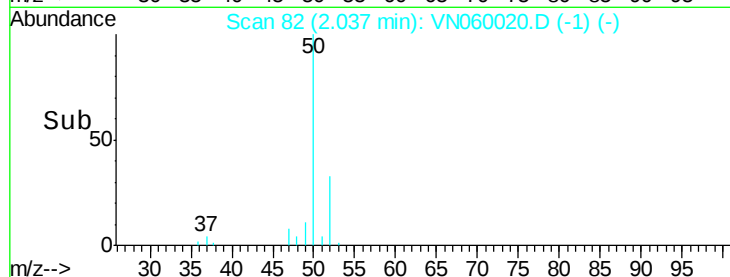
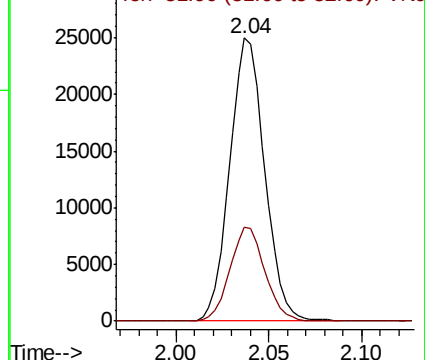
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.903 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060020.D

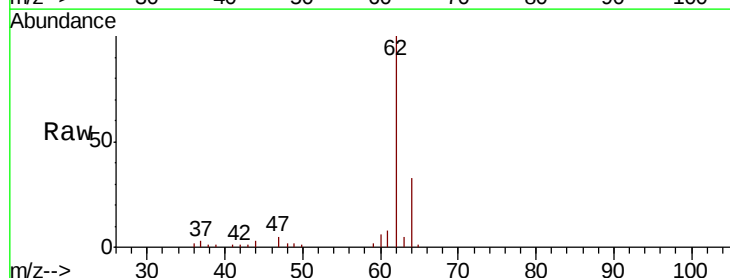
Acq: 7 Feb 2020 10:49

Tgt Ion: 62 Resp: 42333

Ion Ratio Lower Upper

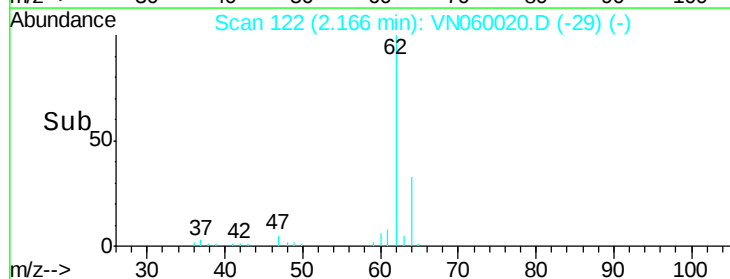
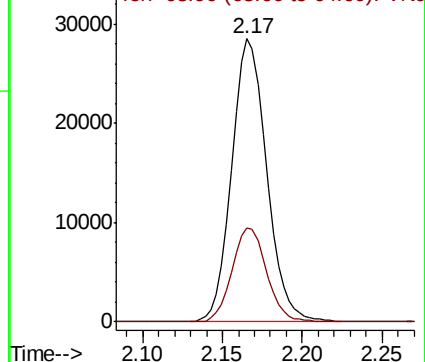
62 100

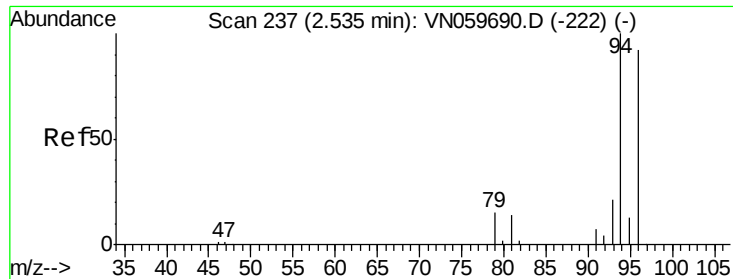
64 33.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





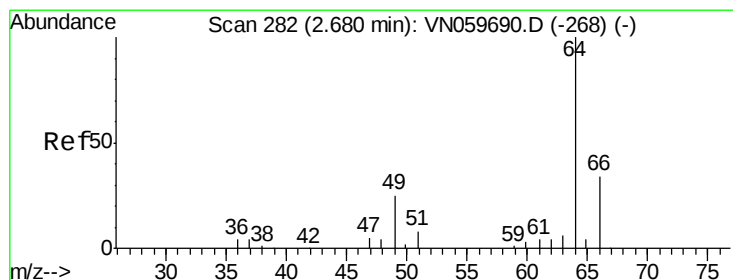
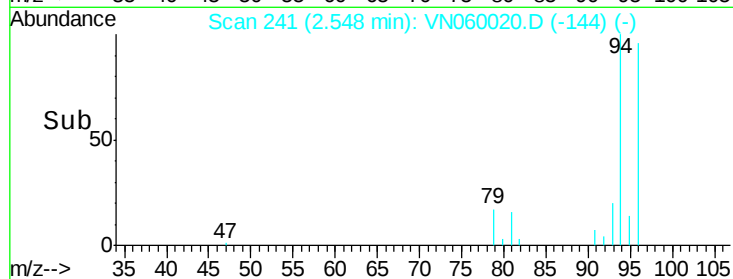
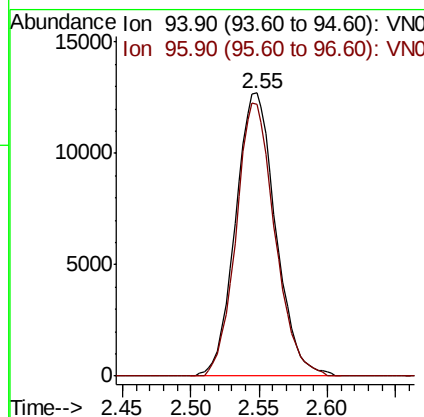
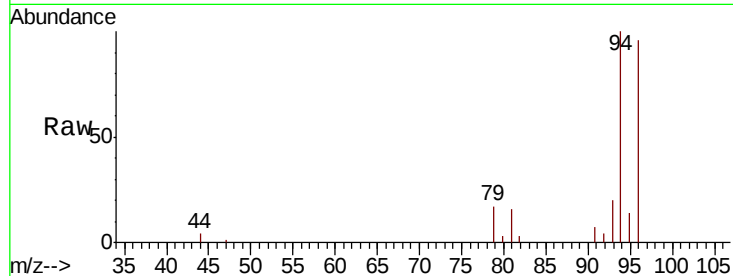
#5
Bromomethane
Concen: 19.037 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion: 94 Resp: 26018
Ion Ratio Lower Upper
94 100
96 96.1 74.7 112.1

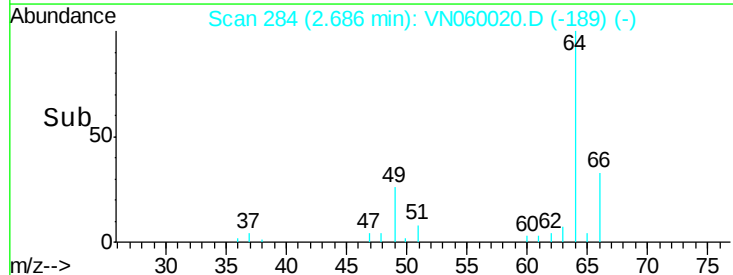
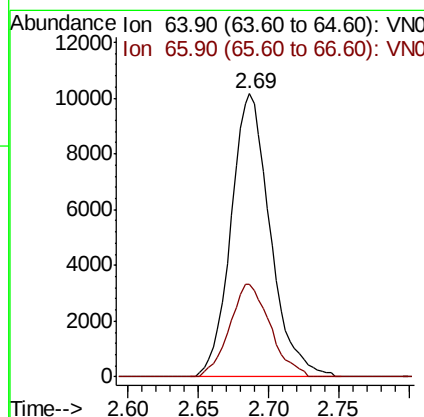
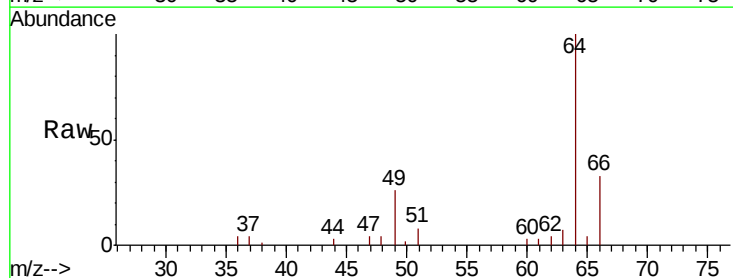
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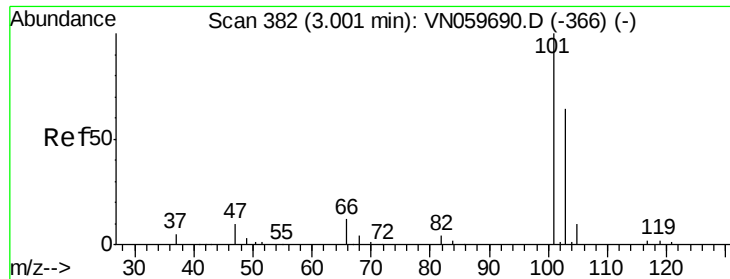
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#6
Chloroethane
Concen: 18.609 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion: 64 Resp: 19716
Ion Ratio Lower Upper
64 100
66 32.7 25.1 37.7





#7

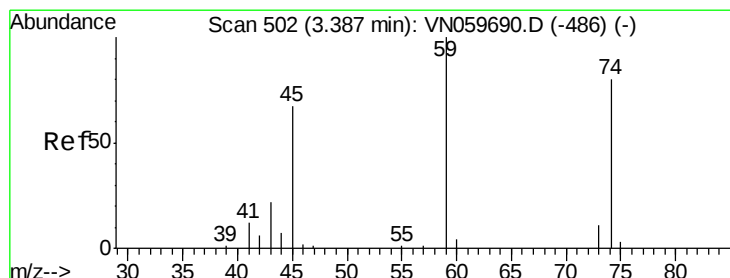
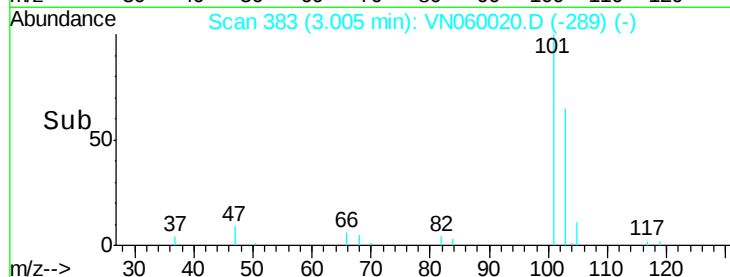
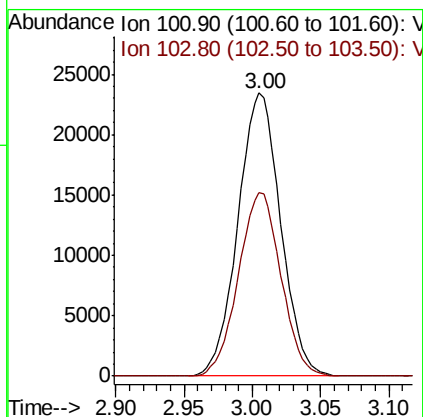
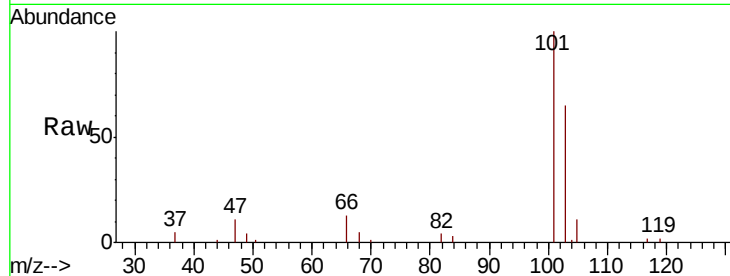
Trichlorofluoromethane
Concen: 18.974 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

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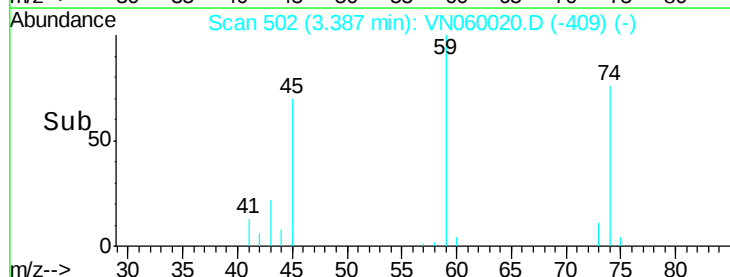
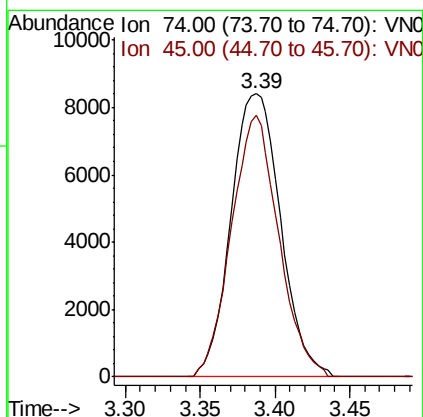
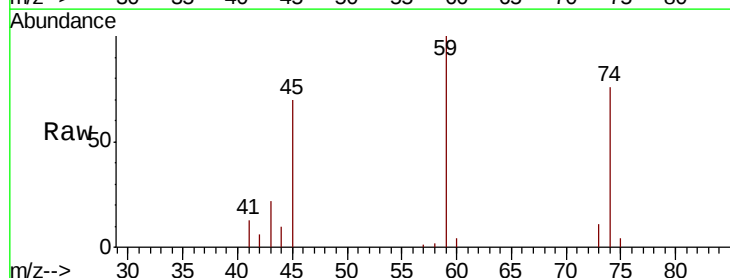
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#8

Diethyl Ether
Concen: 20.556 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.328 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

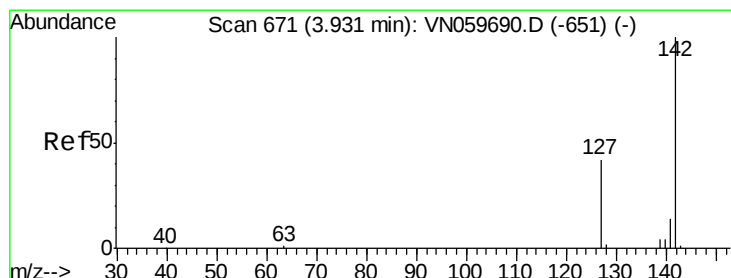
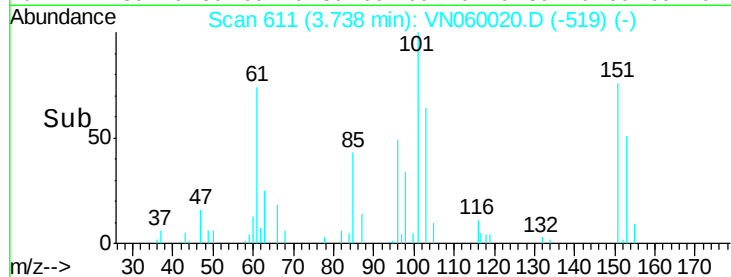
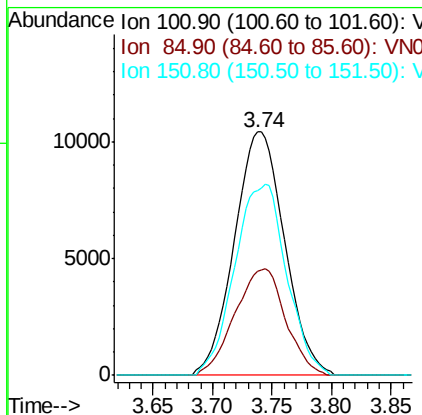
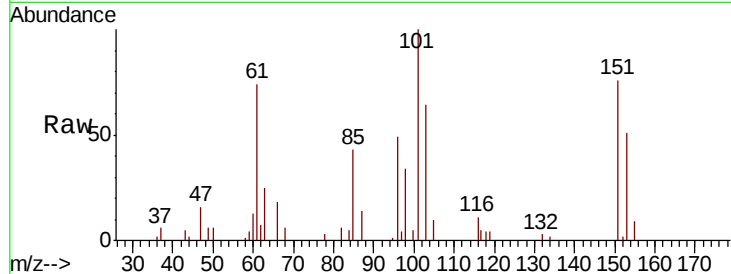
ClientSampleId :

VN0207WBSD01

Tot Ion:	101	Resp:	30428
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.6	54.8
151	81.0	59.7	89.5

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#10

Methyl Iodide

Concen: 15.824 ug/l

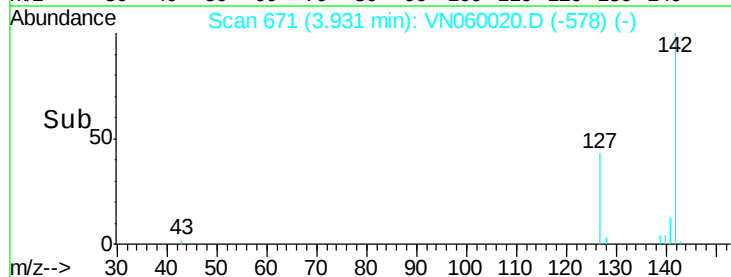
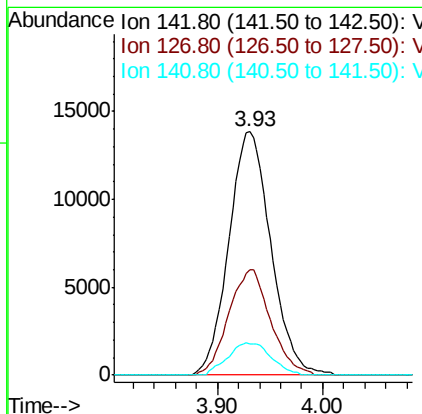
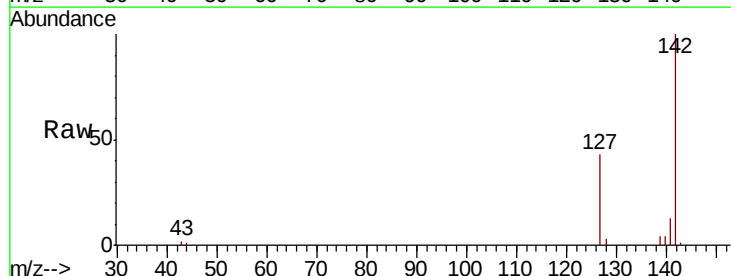
RT: 3.93 min Scan# 671

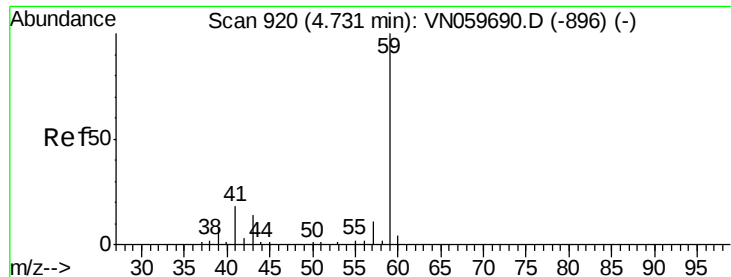
Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	142	Resp:	38287
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.7	55.1
141	13.7	11.7	17.5





#11

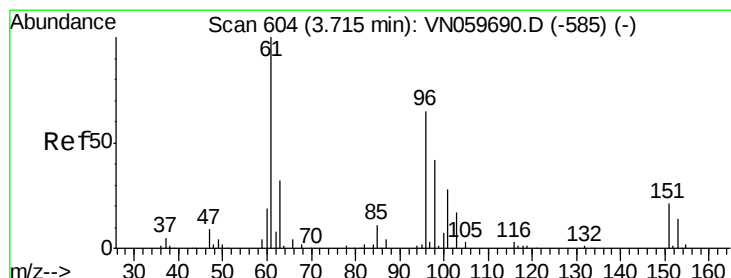
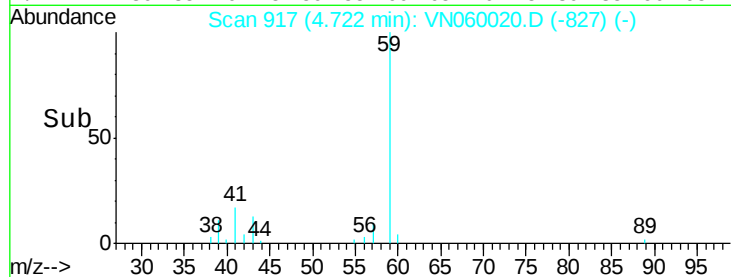
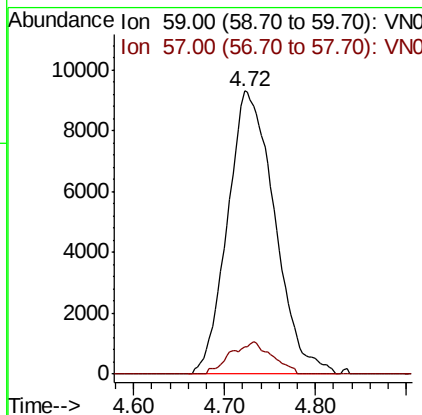
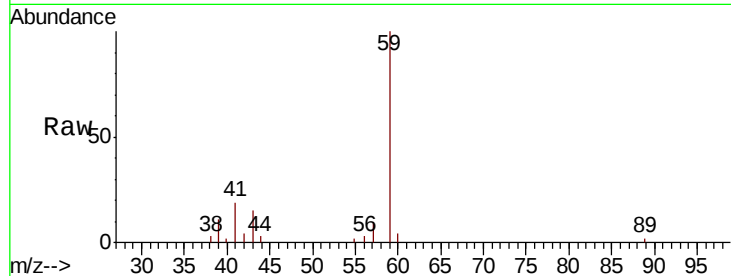
Tert butyl alcohol
 Concen: 104.691 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

Manual Integrations
 APPROVED

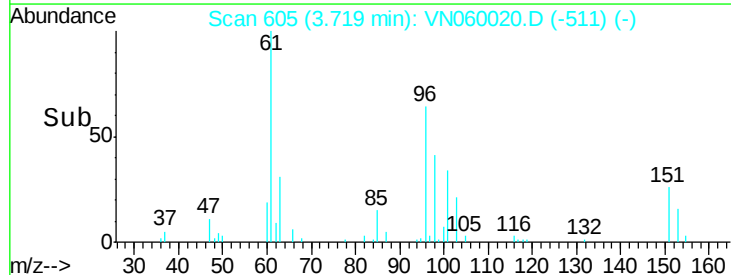
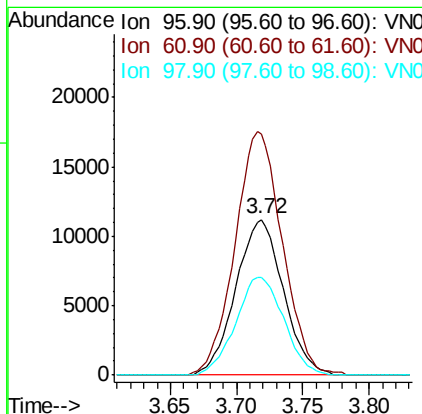
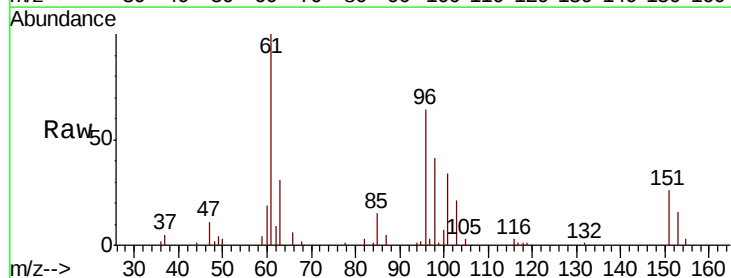
MMDadoda
 2/10/2020 9:32:46 AM



#12

1,1-Dichloroethene
 Concen: 17.877 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	137.5	206.3
98	63.1	50.2	75.4





#13

Acrolein

Concen: 51.483 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 56 Resp: 11648

Ion Ratio Lower Upper

56 100

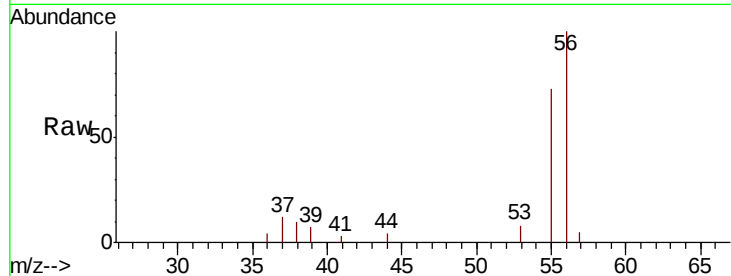
55 73.9 58.6 88.0

Manual Integrations

APPROVED

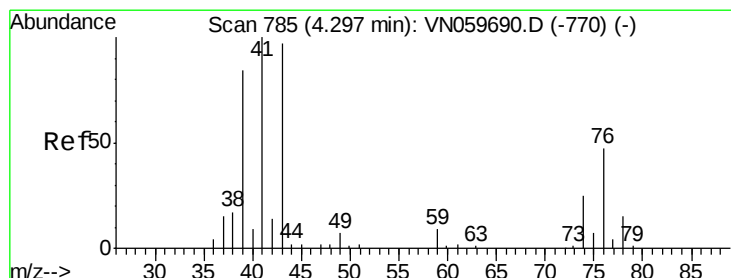
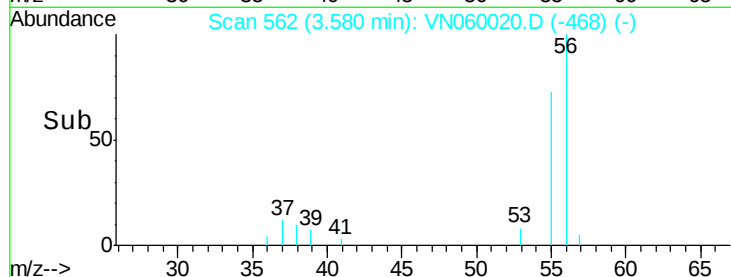
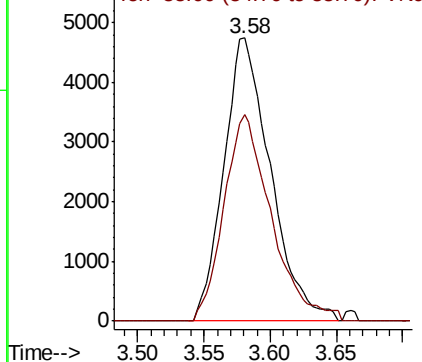
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.617 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

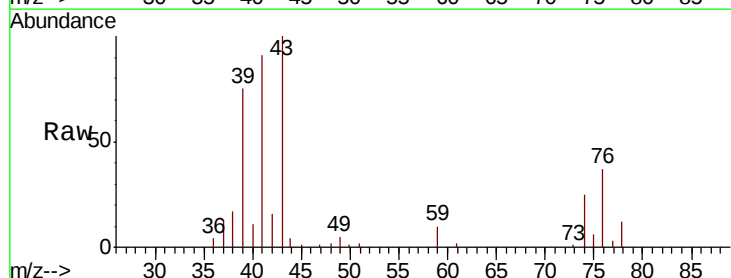
Tgt Ion: 41 Resp: 41357

Ion Ratio Lower Upper

41 100

39 85.1 57.8 86.8

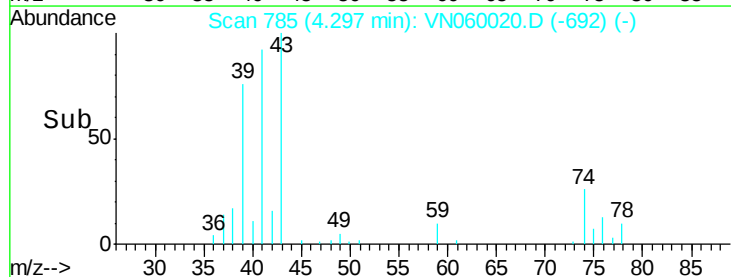
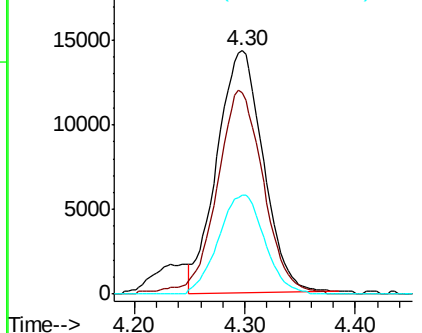
76 41.0 25.4 38.0#

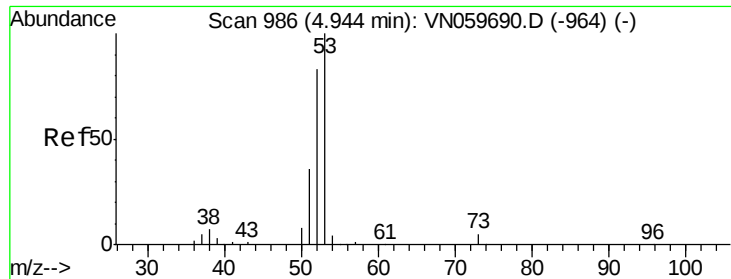


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 110.597 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

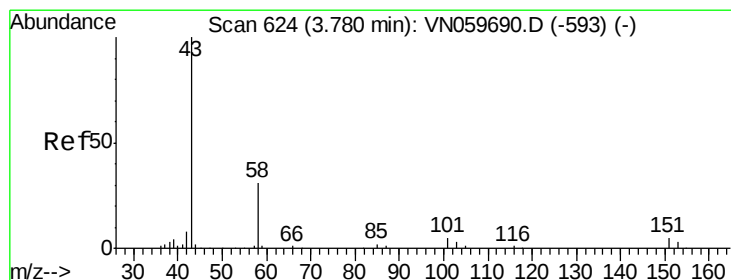
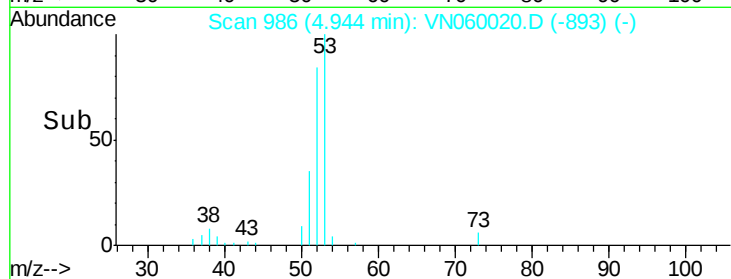
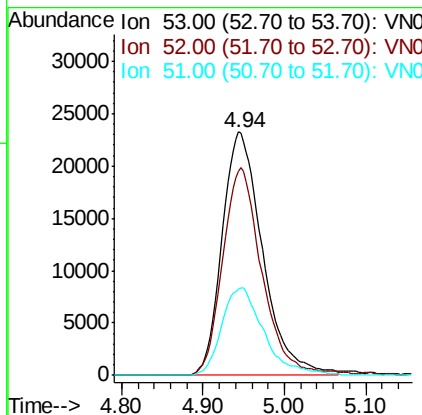
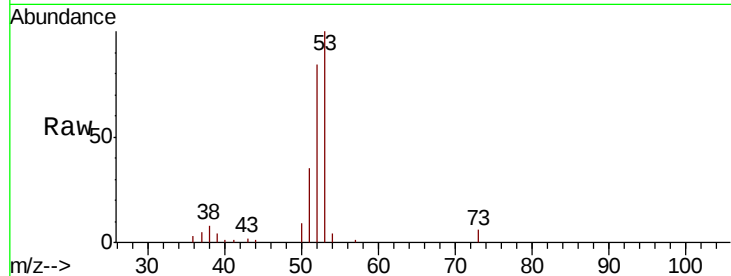
ClientSampleId :

VN0207WBSD01

Tot Ion:	53	Resp:	80633
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.3	99.5
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 137.398 ug/l

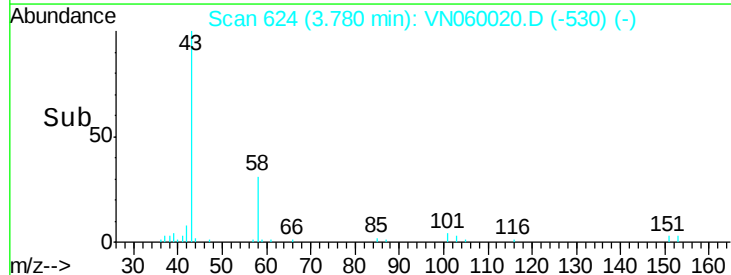
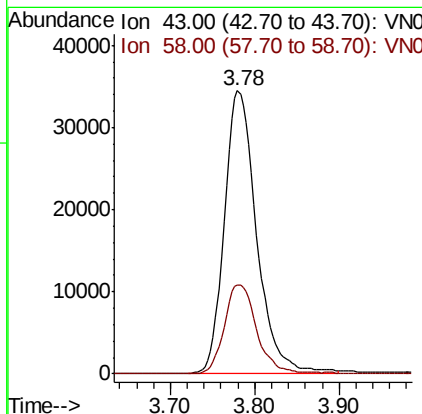
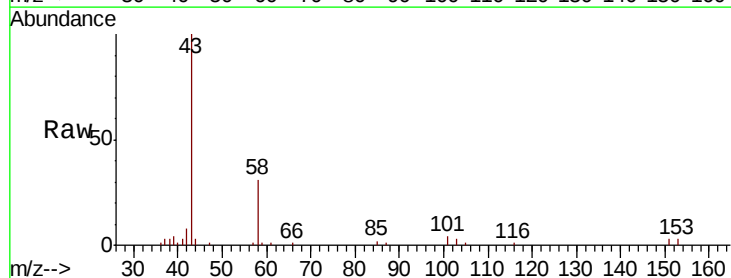
RT: 3.78 min Scan# 624

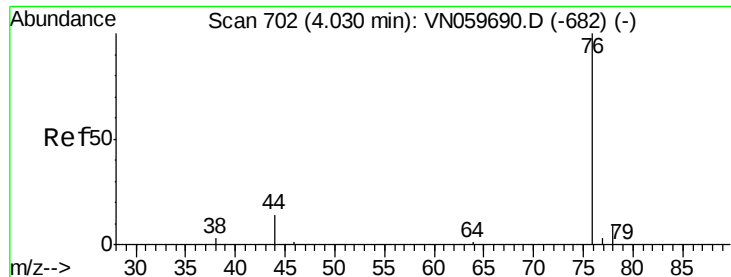
Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	43	Resp:	91892
Ion Ratio	Lower	Upper	
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 14.821 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 76 Resp: 66036

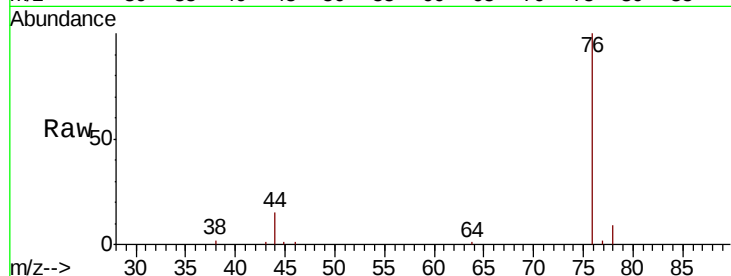
Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

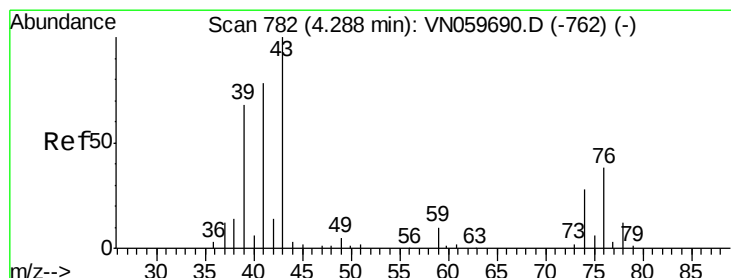
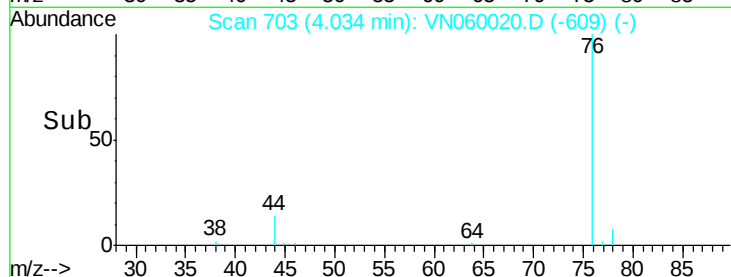
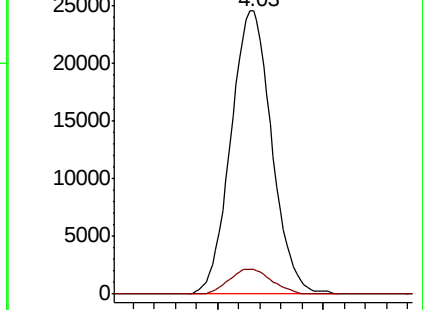
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN060020.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060020.D (-609) (-)



#18

Methyl Acetate

Concen: 23.149 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060020.D

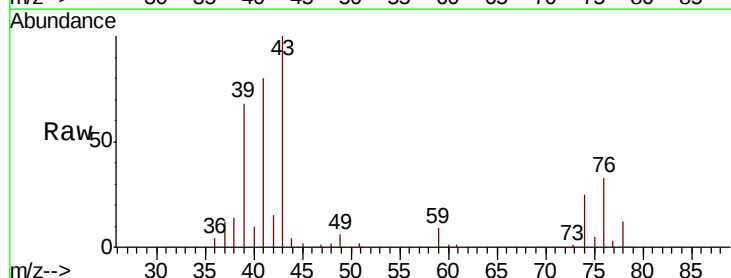
Acq: 7 Feb 2020 10:49

Tgt Ion: 43 Resp: 51337

Ion Ratio Lower Upper

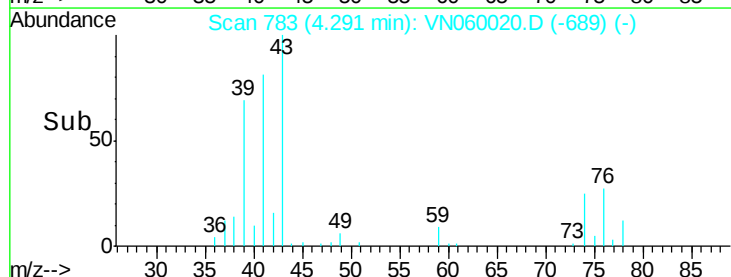
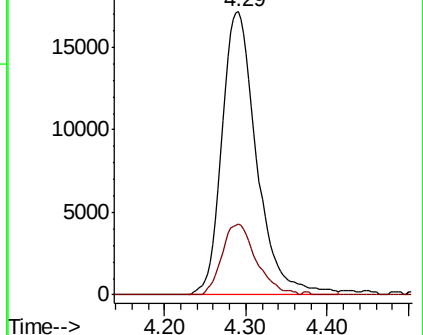
43 100

74 24.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060020.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060020.D (-689) (-)





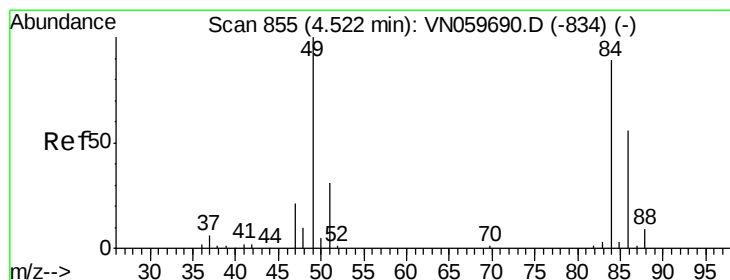
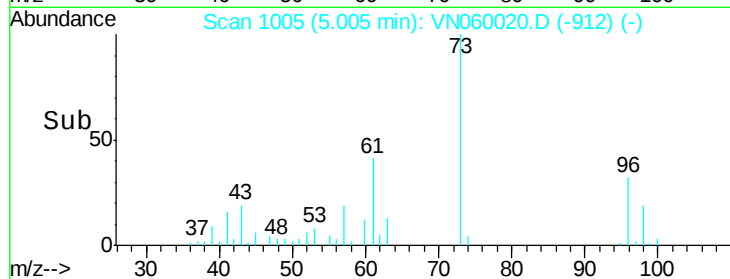
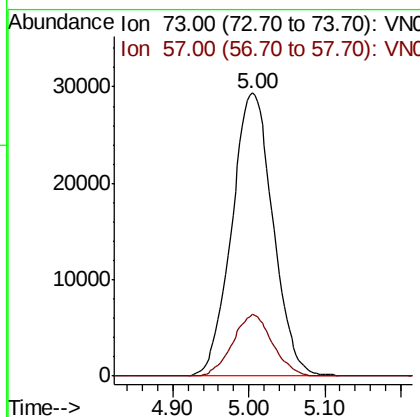
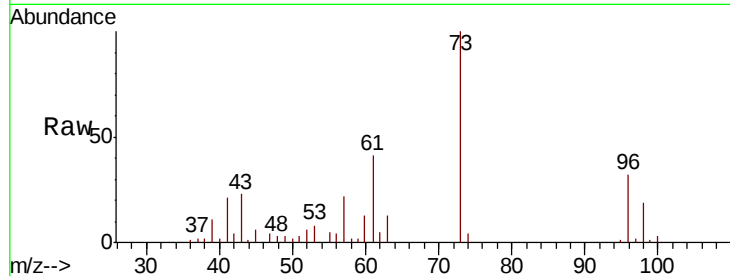
#19
Methyl tert-butyl Ether
Concen: 21.683 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion: 73 Resp: 110579
Ion Ratio Lower Upper
73 100
57 21.7 18.6 27.8

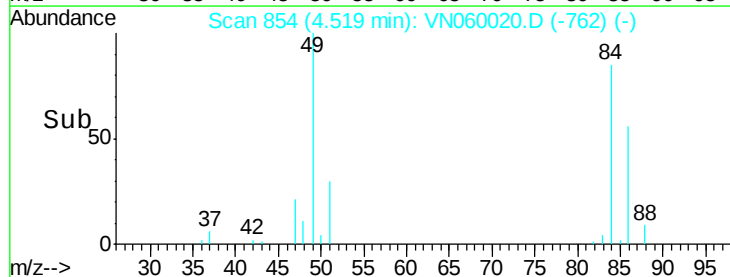
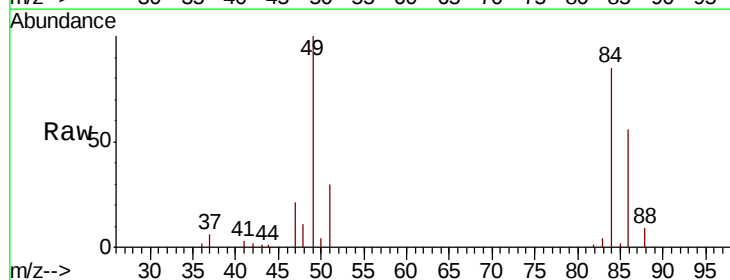
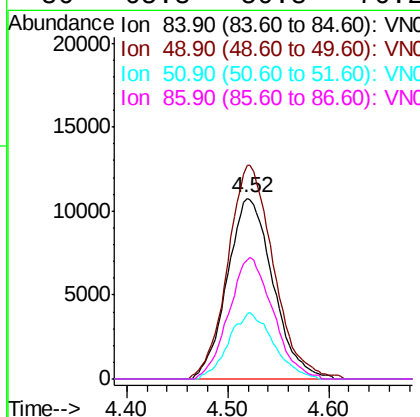
Manual Integrations
APPROVED

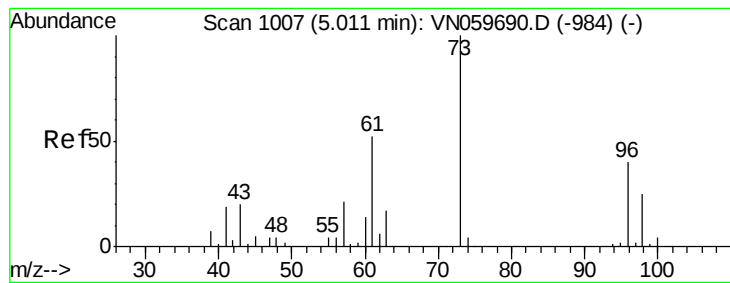
MMDadoda
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#20
Methylene Chloride
Concen: 18.964 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion: 84 Resp: 33955
Ion Ratio Lower Upper
84 100
49 117.9 106.6 160.0
51 35.9 31.9 47.9
86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.206 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 96 Resp: 30270

Ion Ratio Lower Upper

96 100

61 130.3 120.4 180.6

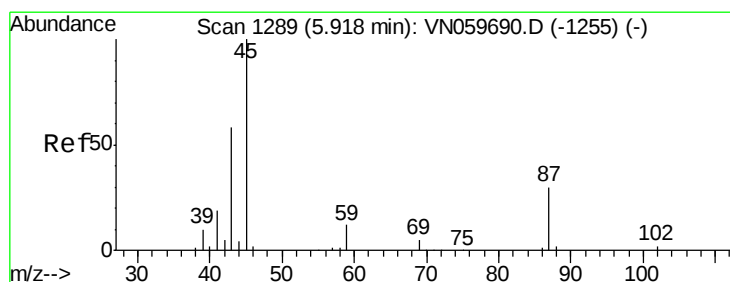
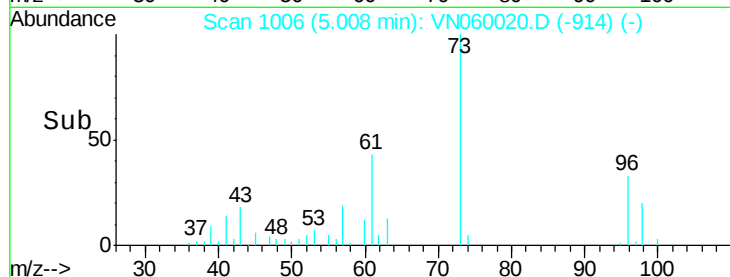
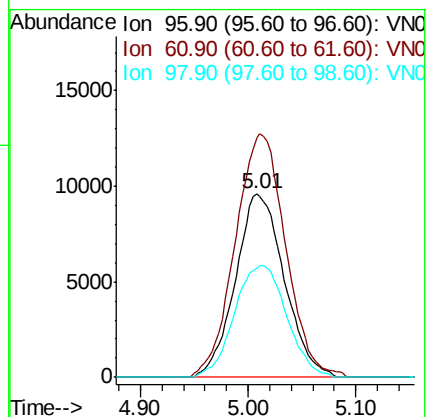
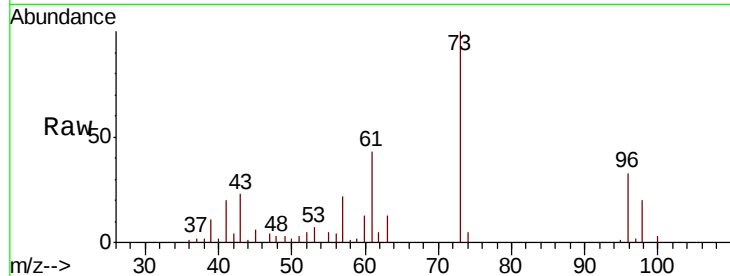
98 59.5 50.6 75.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.738 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion: 45 Resp: 103859

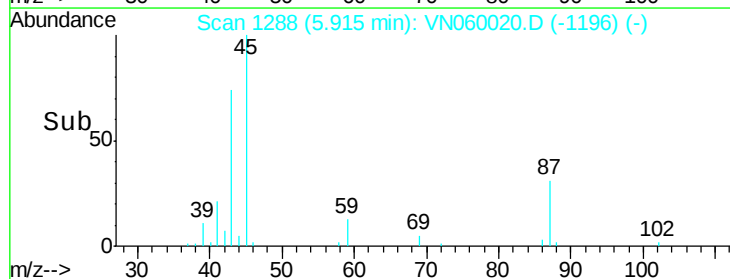
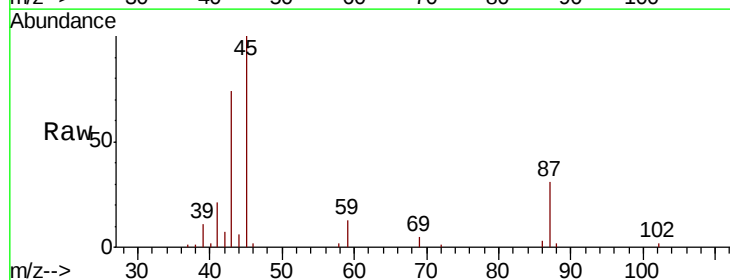
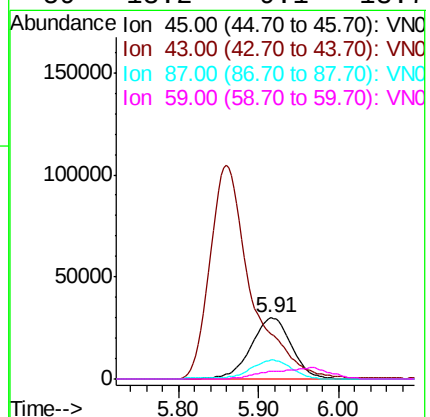
Ion Ratio Lower Upper

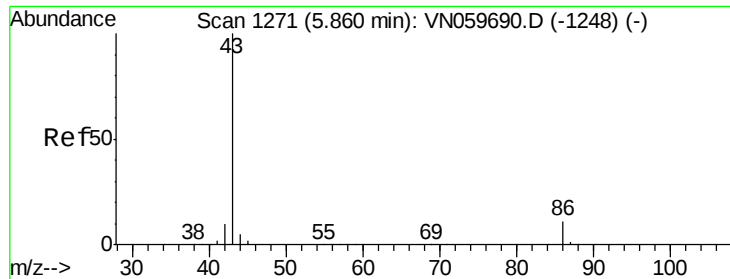
45 100

43 70.1 50.8 76.2

87 30.7 21.0 31.6

59 13.2 9.1 13.7





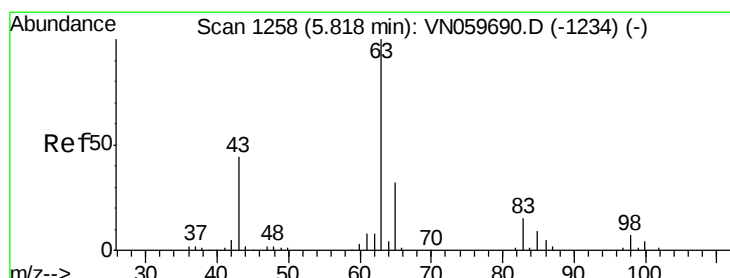
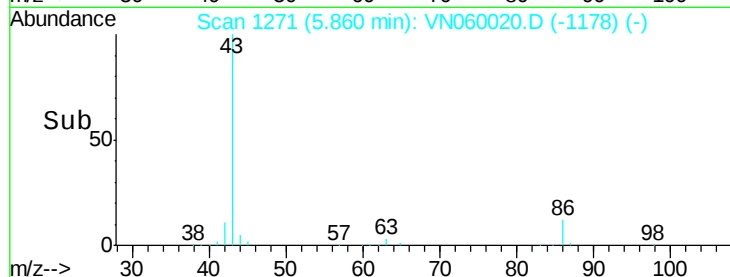
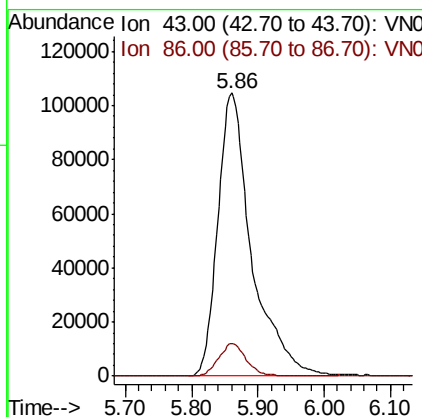
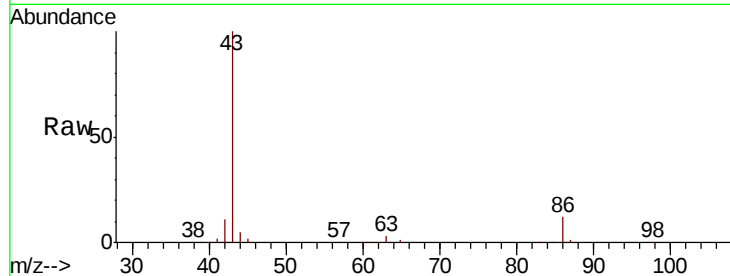
#23
 Vinyl Acetate
 Concen: 100.577 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	43	Resp	372044
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	7.6	11.4#

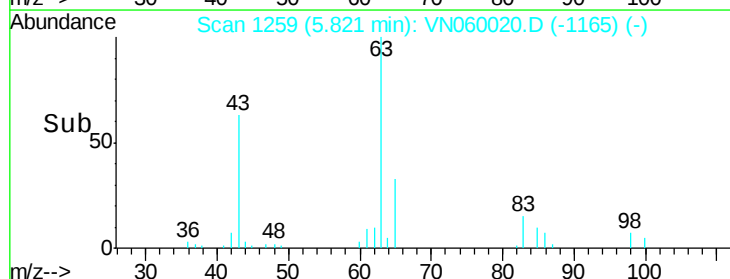
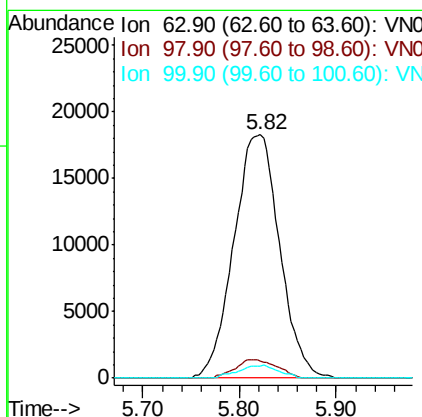
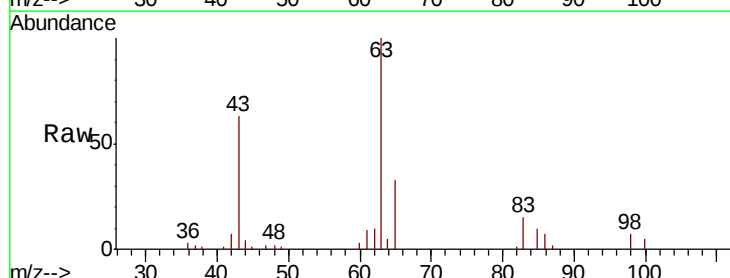
Manual Integrations
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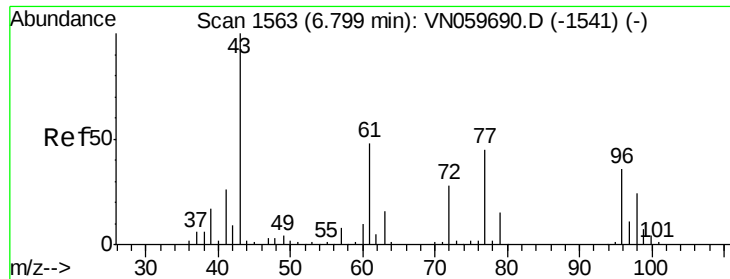
MMDadoda
 2/10/2020 9:32:46 AM



#24
 1,1-Dichloroethane
 Concen: 20.627 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	63	Resp	60217
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	2.9	8.7
100	5.1	2.0	6.0





#25

2-Butanone

Concen: 109.140 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 43 Resp: 117342

Ion Ratio Lower Upper

43 100

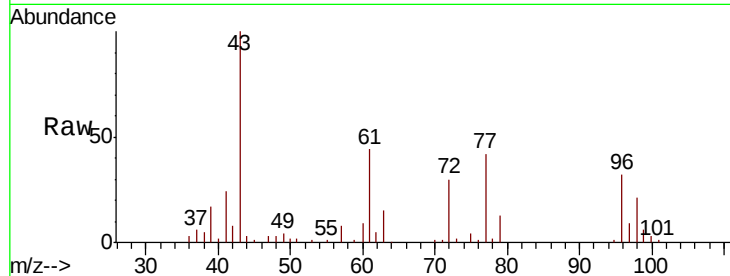
72 29.7 19.9 29.9

Manual Integrations

APPROVED

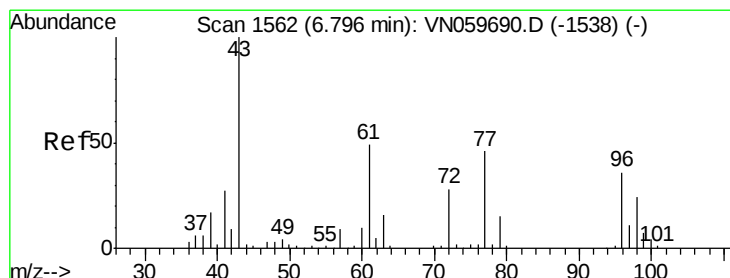
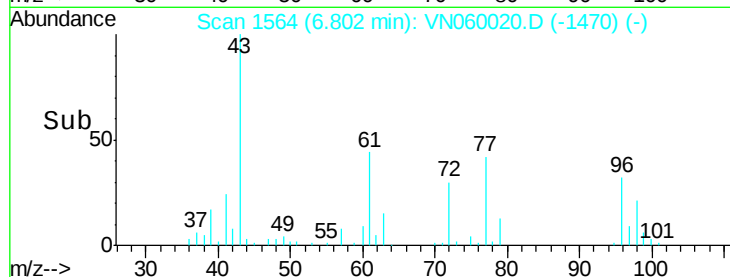
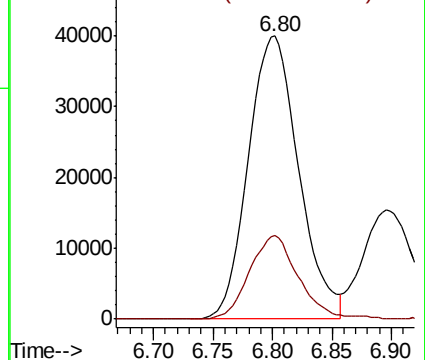
MMDadoda

2/10/2020 9:32:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.068 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060020.D

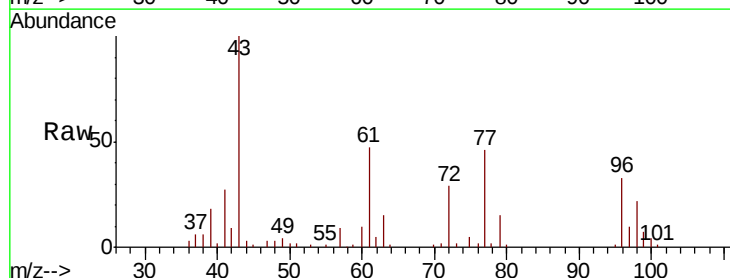
Acq: 7 Feb 2020 10:49

Tgt Ion: 77 Resp: 56321

Ion Ratio Lower Upper

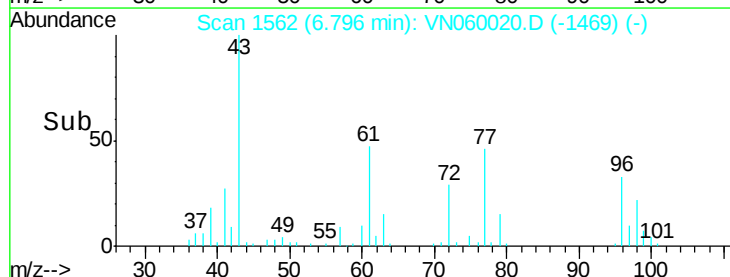
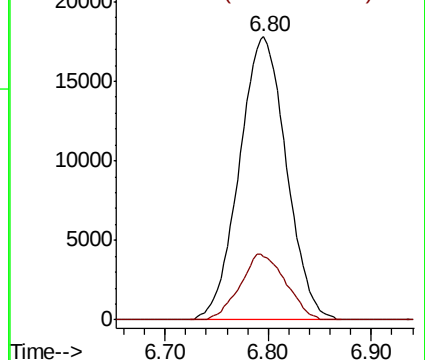
77 100

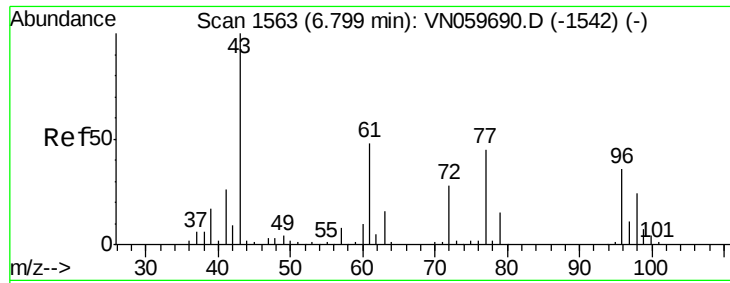
97 22.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





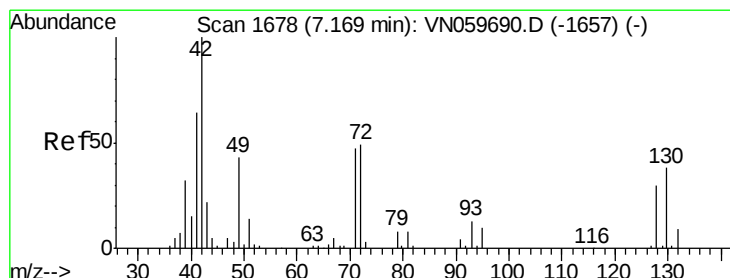
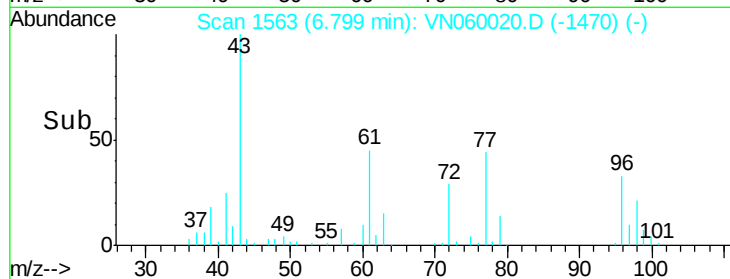
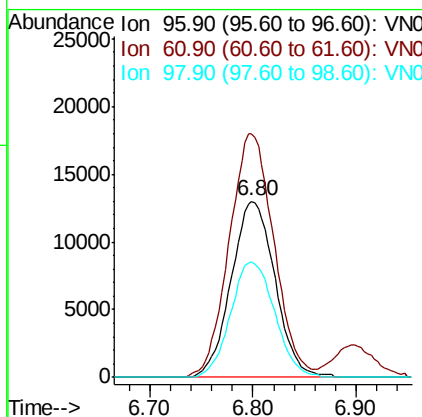
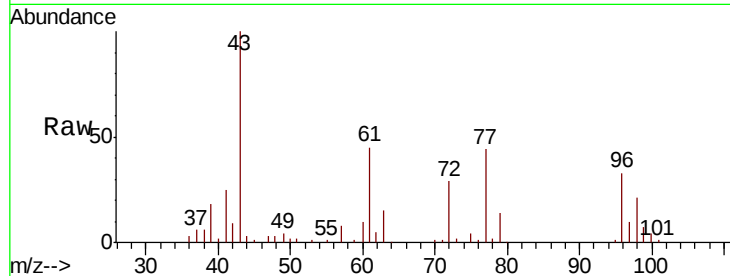
#27
 cis-1,2-Dichloroethene
 Concen: 20.104 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.0	0.0	317.6	
98	65.9	0.0	127.0	

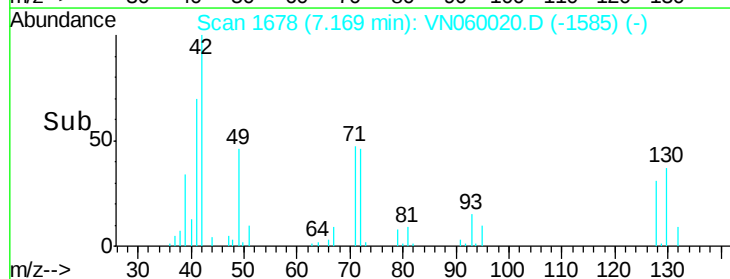
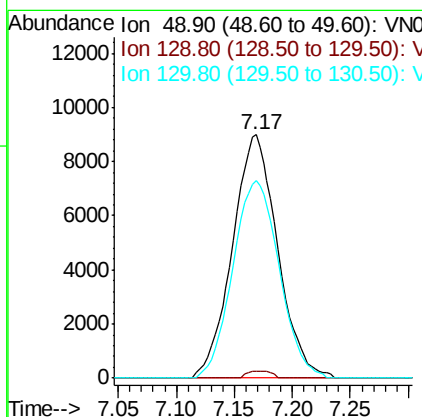
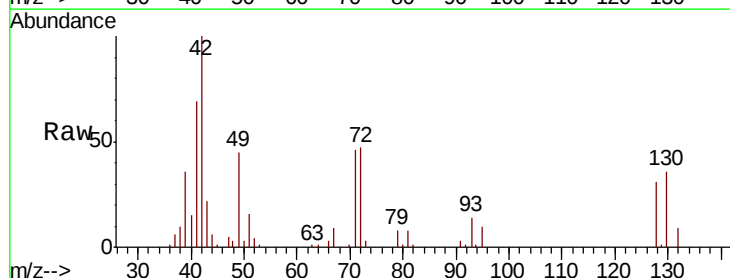
Manual Integrations
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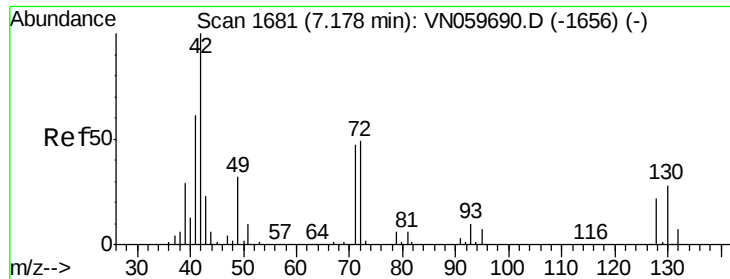
MMDadoda
 2/10/2020 9:32:46 AM



#28
 Bromochloromethane
 Concen: 20.879 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.4	
130	83.4	54.7	82.1#	





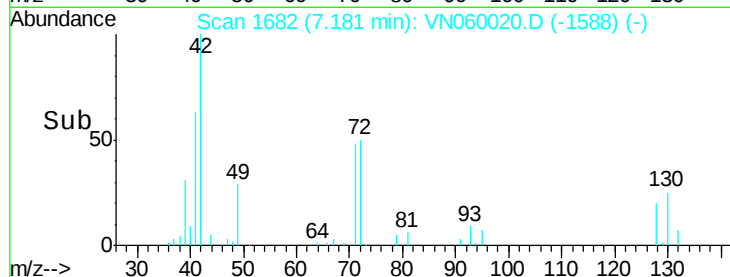
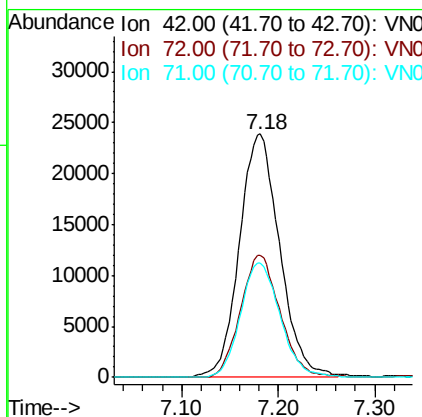
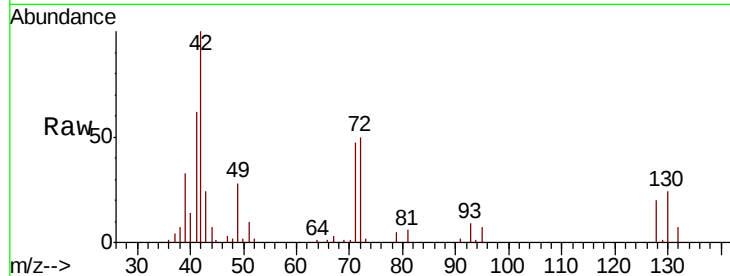
#29
Tetrahydrofuran
Concen: 103.749 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	33.1	49.7
71	46.4	31.4	47.0

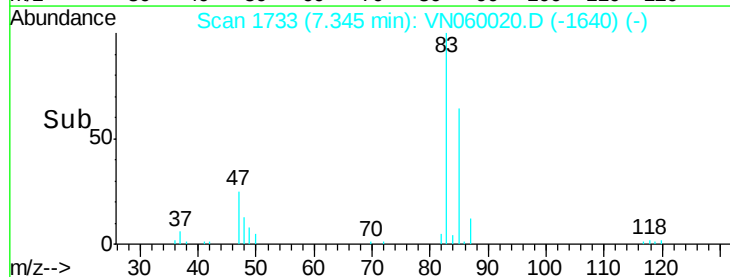
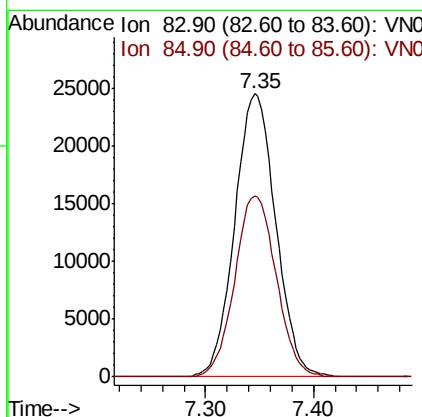
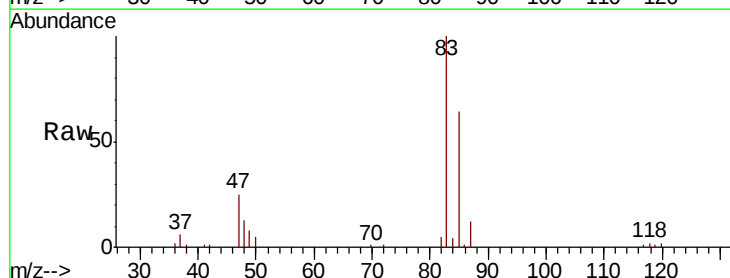
Manual Integrations
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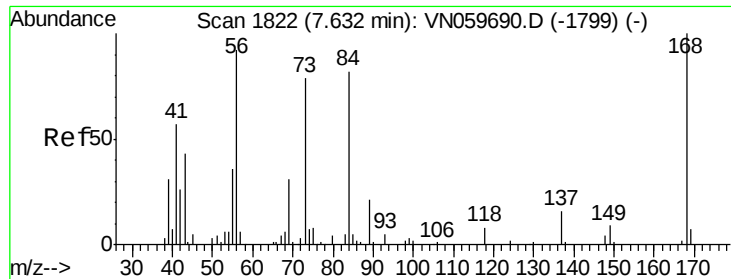
MMDadoda
2/10/2020 9:32:46 AM



#30
Chloroform
Concen: 21.480 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6





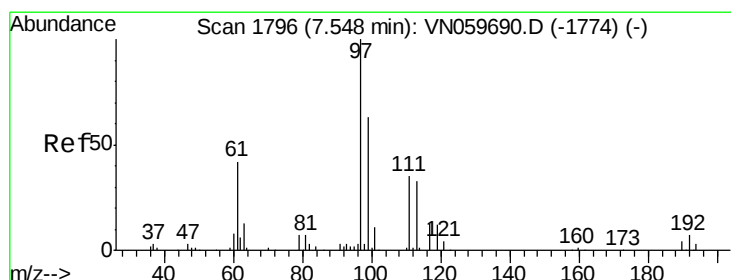
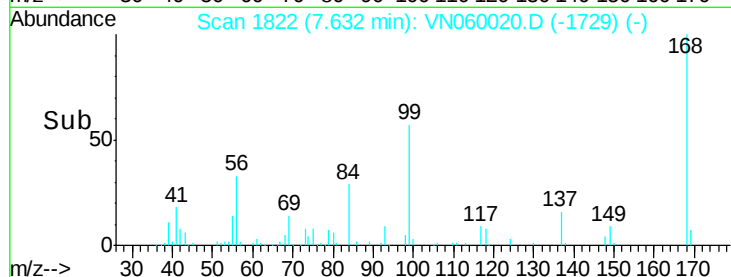
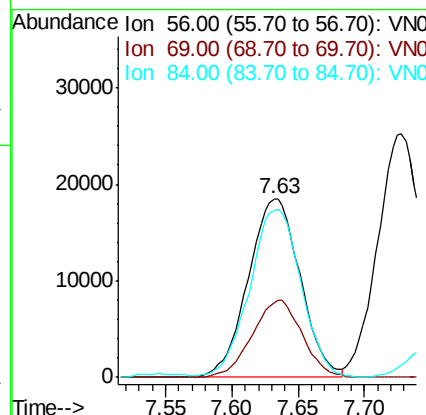
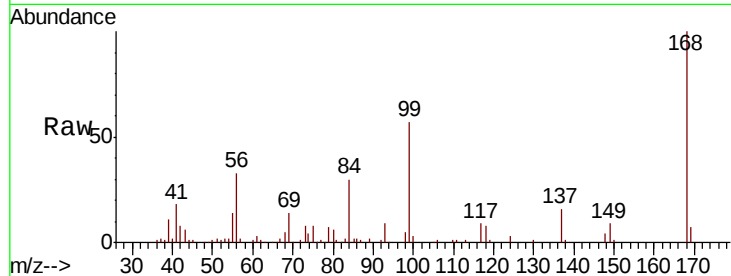
#31
Cyclohexane
Concen: 17.977 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.5	26.5	39.7#
84	92.3	65.3	97.9

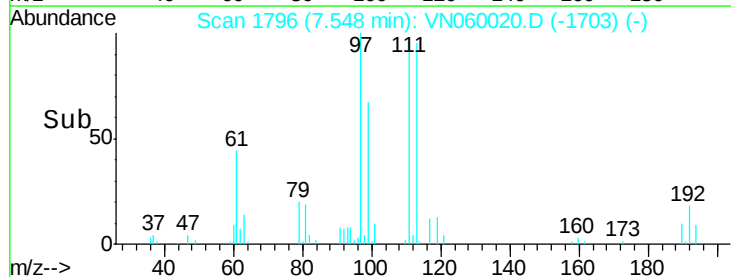
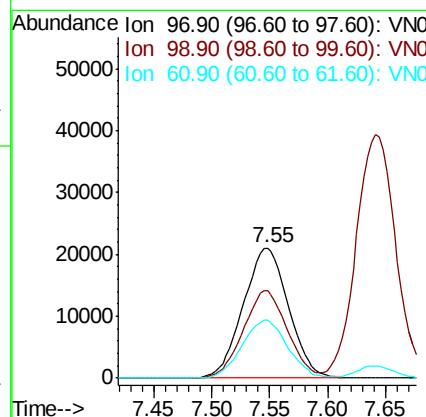
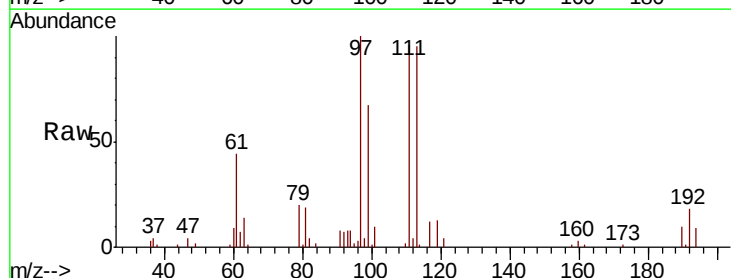
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#32
1,1,1-Trichloroethane
Concen: 20.375 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.4
61	44.8	38.5	57.7





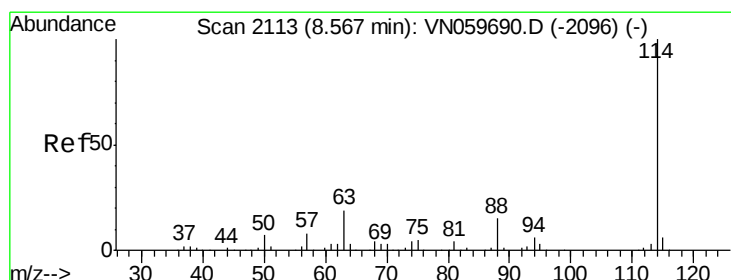
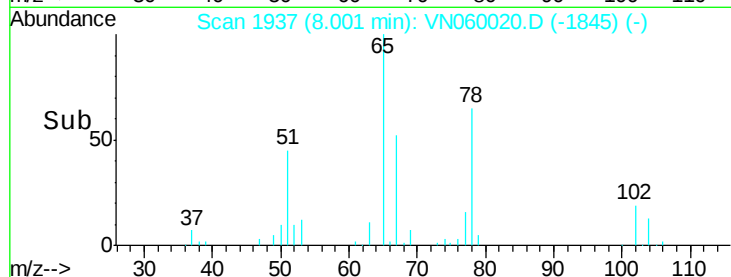
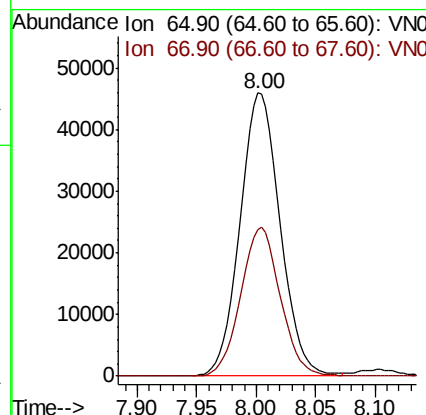
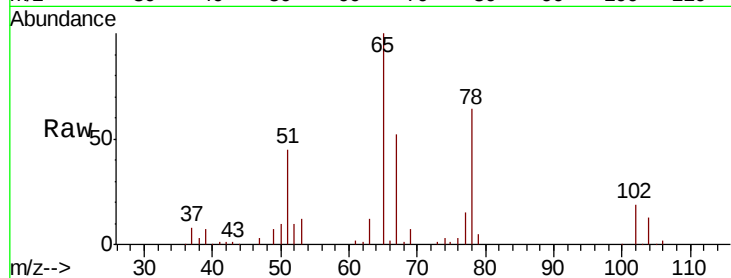
#33
 1,2-Dichloroethane-d4
 Concen: 56.472 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107216		
67	51.9	0.0	103.0	

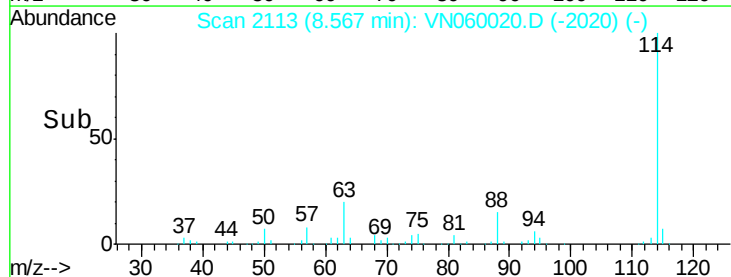
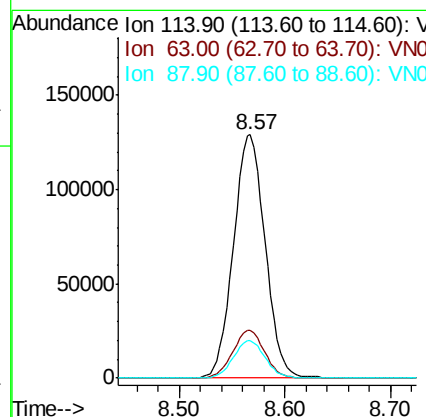
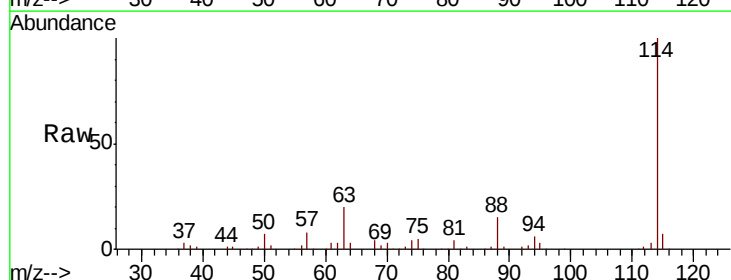
Manual Integrations
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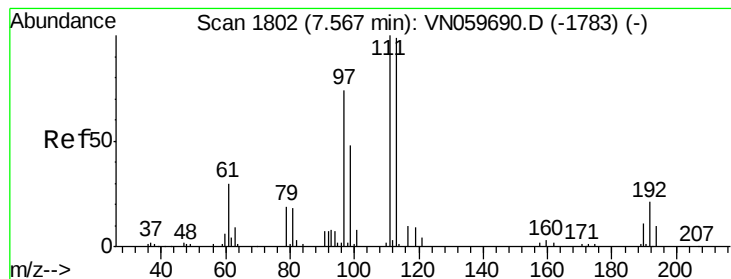
MMDadoda
 2/10/2020 9:32:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	268927		
63	19.7	0.0	43.6	
88	15.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 54.225 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

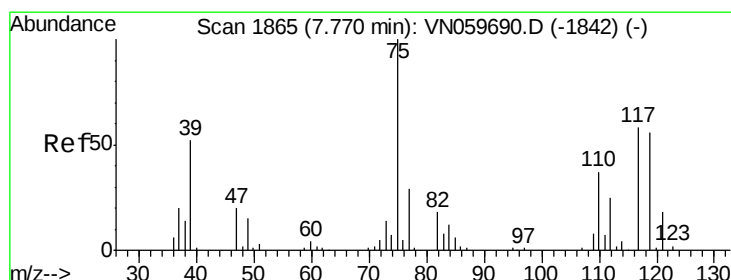
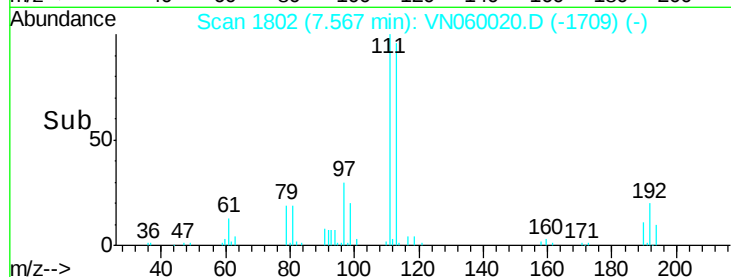
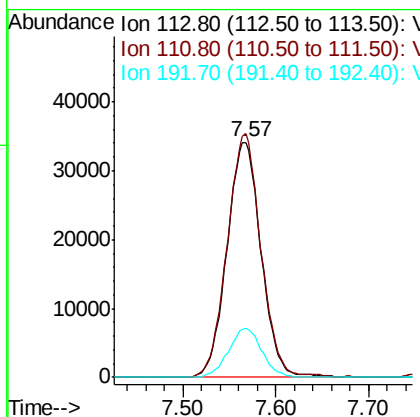
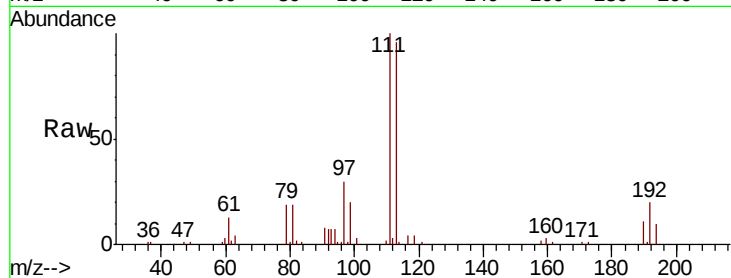
ClientSampleId :

VN0207WBSD01

Tot Ion:	113	Resp:	86962
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.5	125.3
192	20.2	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.698 ug/l

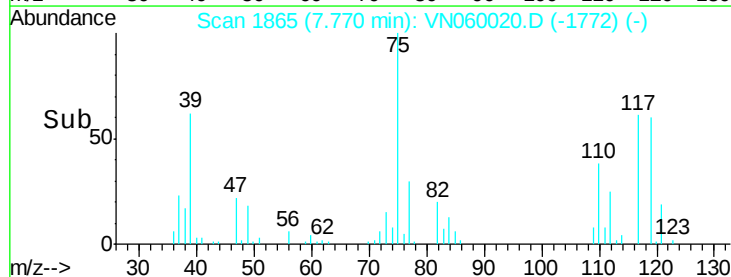
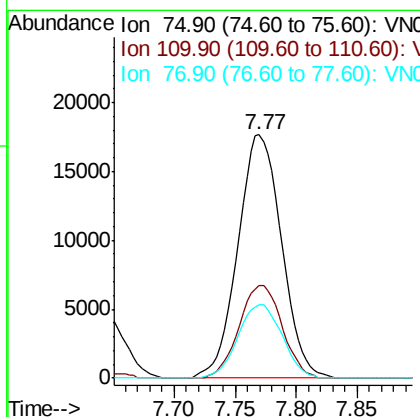
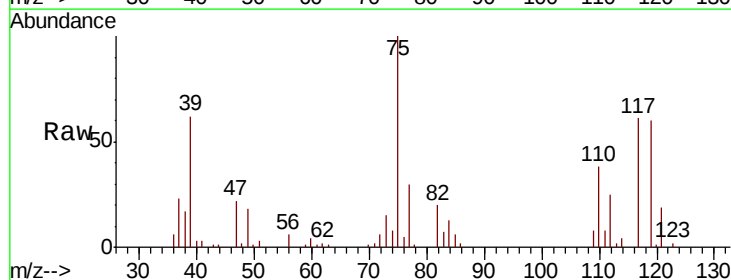
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	75	Resp:	43790
Ion Ratio	Lower	Upper	
75	100		
110	37.4	16.6	49.7
77	30.7	25.1	37.7





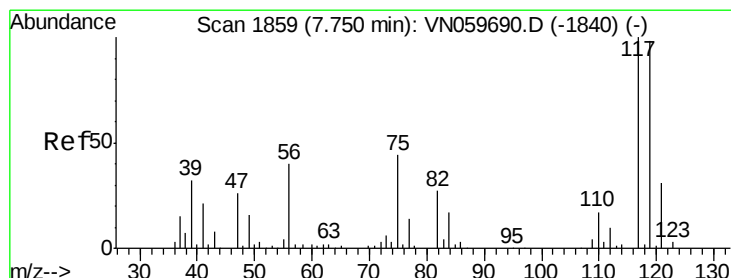
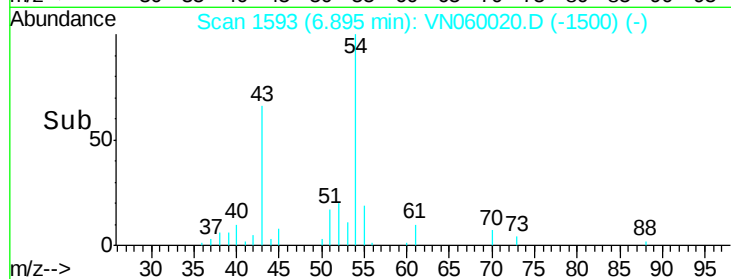
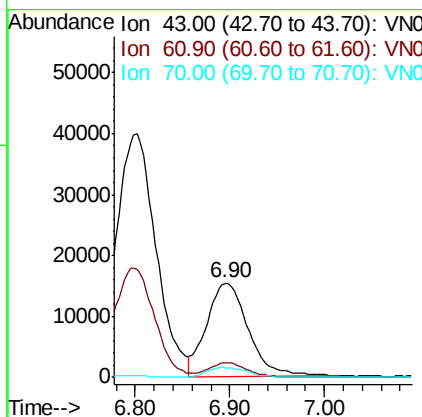
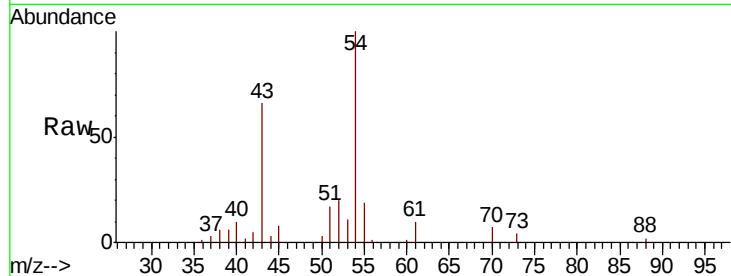
#37
Ethyl Acetate
Concen: 21.196 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	43	61	70
Resp	46558	14.7	10.5
Lower		10.9	7.7
Upper		16.3	11.5

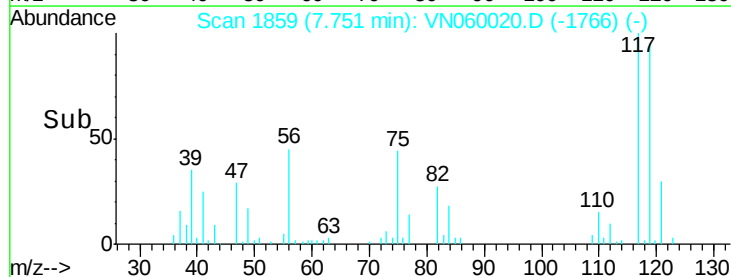
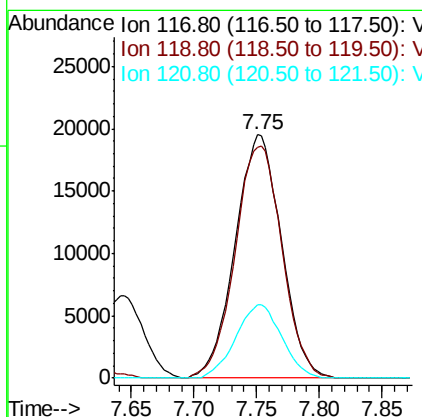
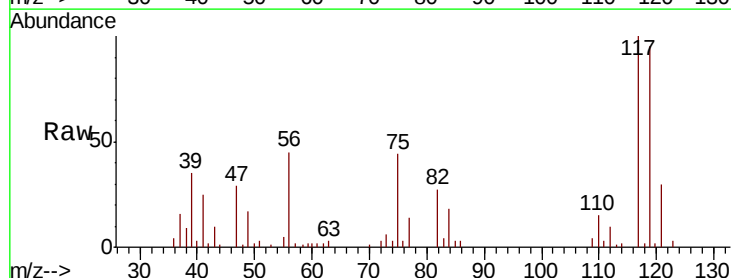
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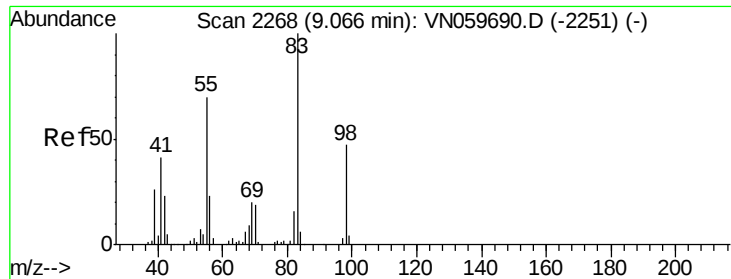
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.652 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	117	119	121
Resp	50063	94.8	29.9
Lower		76.5	25.1
Upper		114.7	37.7





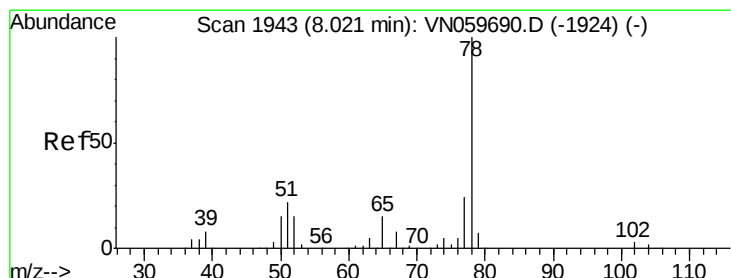
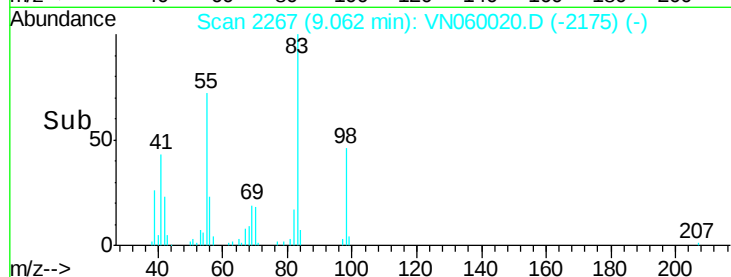
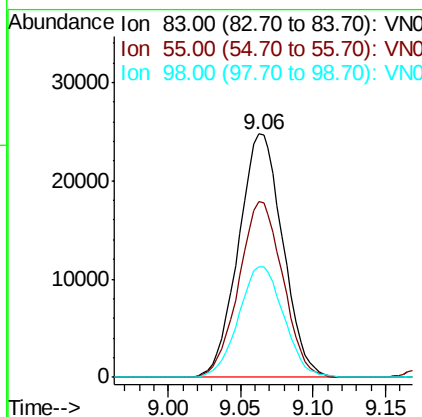
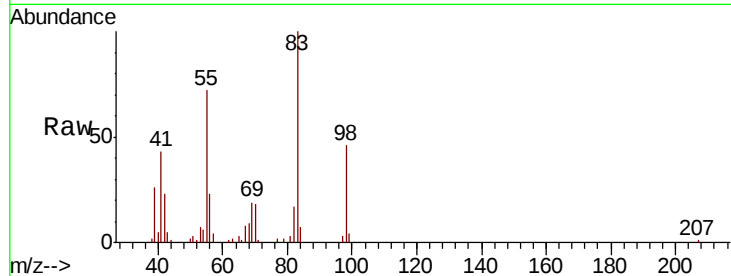
#39
Methvlcvclohexane
Concen: 18.241 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	64.2	96.2
98	45.6	35.9	53.9

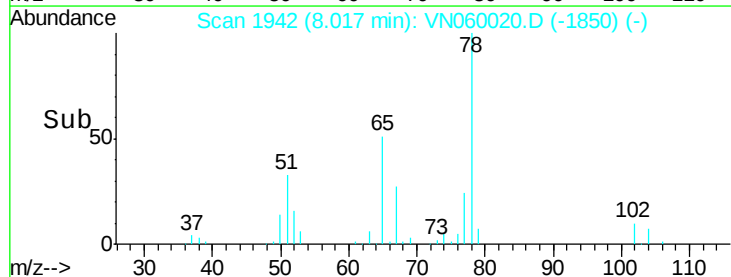
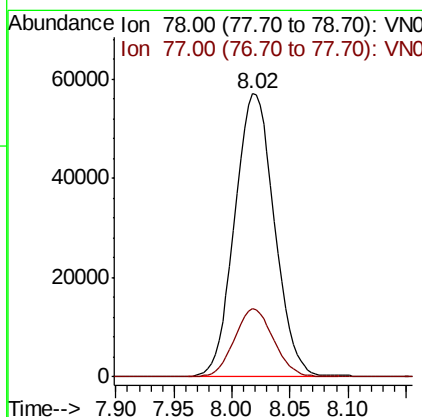
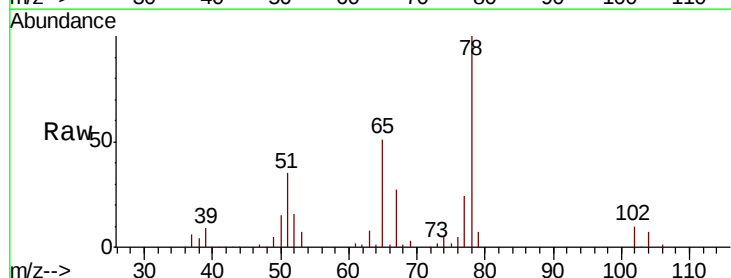
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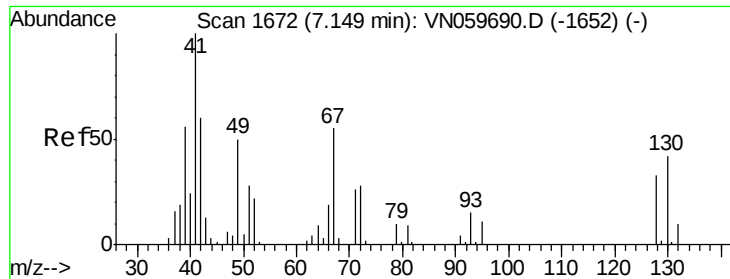
MMDadoda
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#40
Benzene
Concen: 19.523 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





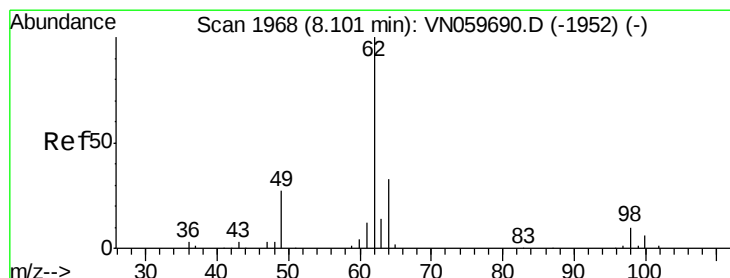
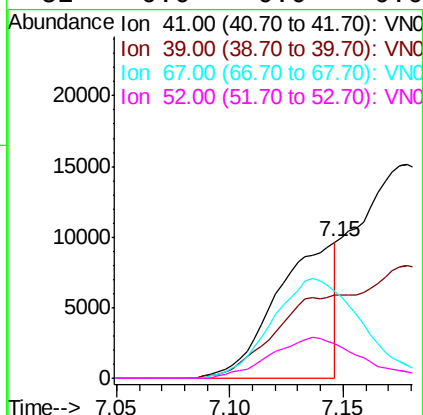
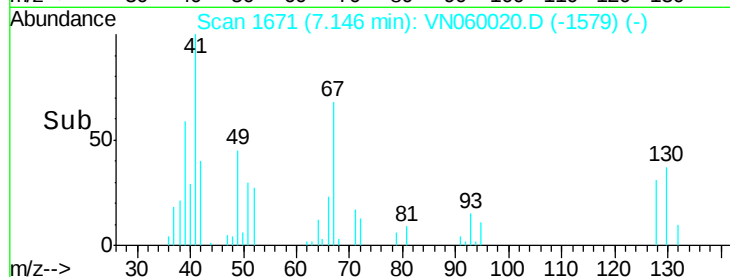
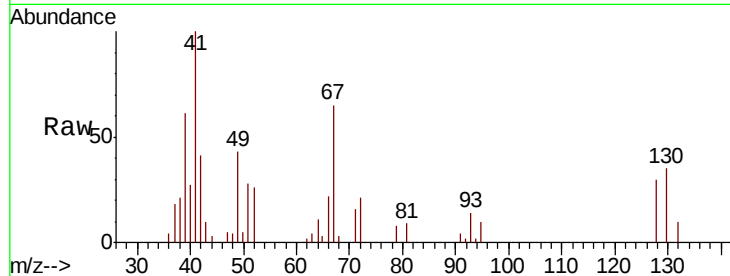
#41
Methacrylonitrile
Concen: 16.184 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	206.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

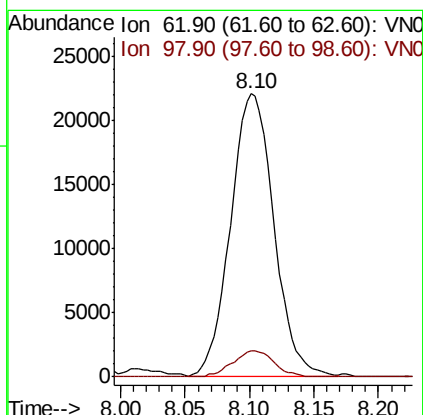
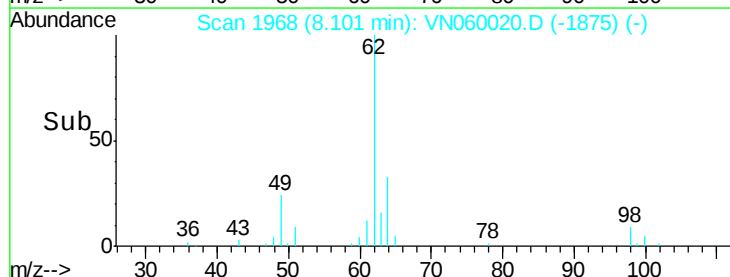
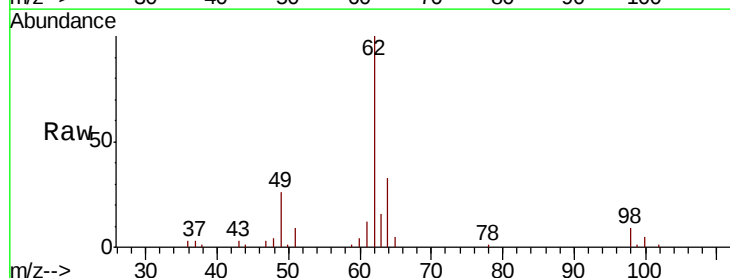
Manual Integrations
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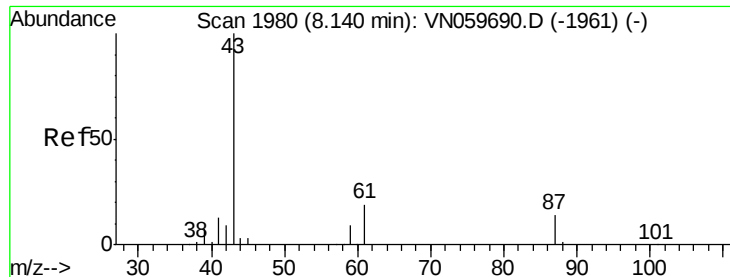
MMDadoda
2/10/2020 9:32:46 AM



#42
1,2-Dichloroethane
Concen: 21.826 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.047 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

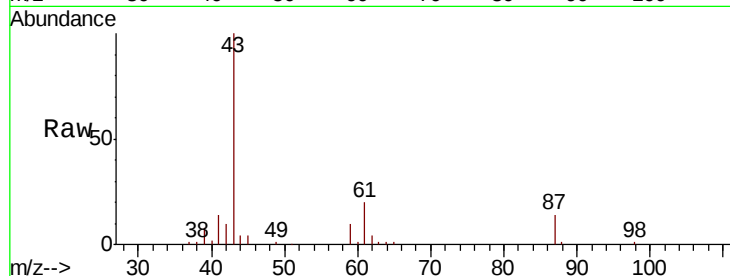
ClientSampleId :

VN0207WBSD01

Tot Ion:	43	Resp:	79516
Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.2	30.2
87	13.4	9.5	14.3

Manual Integrations
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2/10/2020 9:32:46 AM

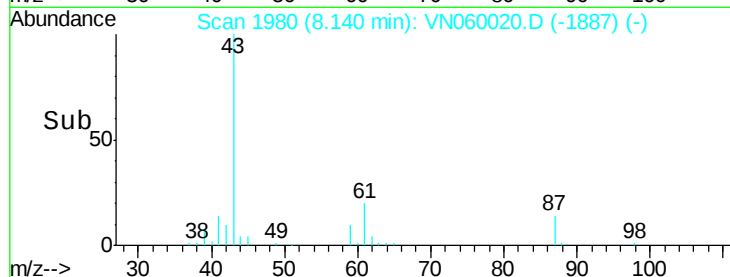


Abundance Ion 43.00 (42.70 to 43.70): VN060020.D (-1887) (-)

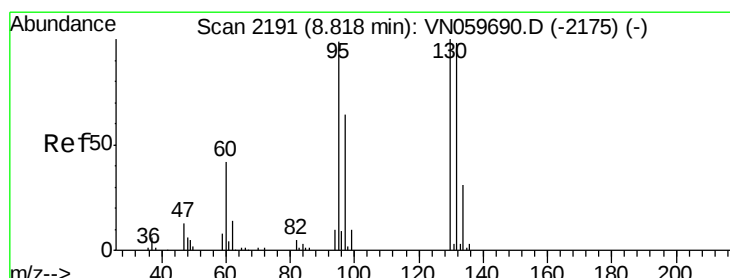
Ion 61.00 (60.70 to 61.70): VN060020.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060020.D (-1887) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 20.080 ug/l

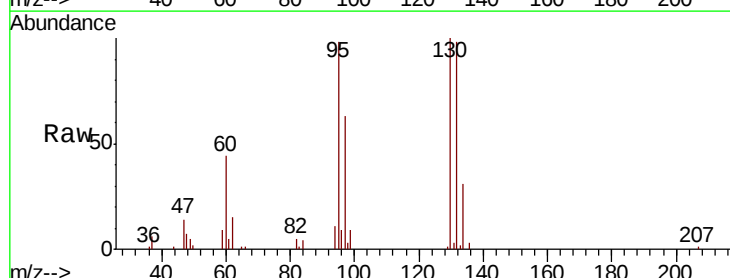
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

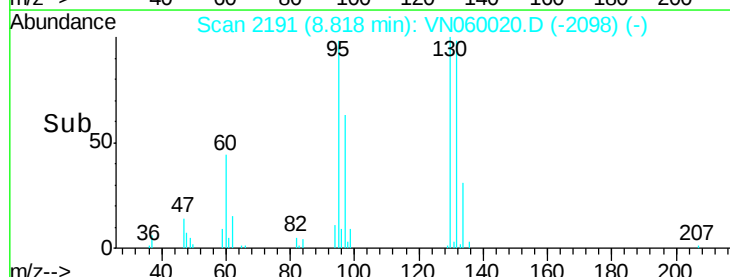
Tgt Ion:	130	Resp:	38287
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060020.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060020.D (-2098) (-)

Time-->



Time-->



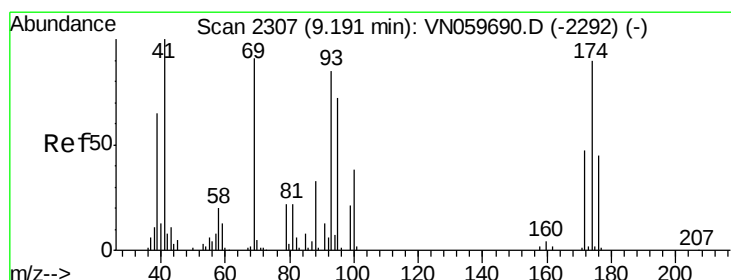
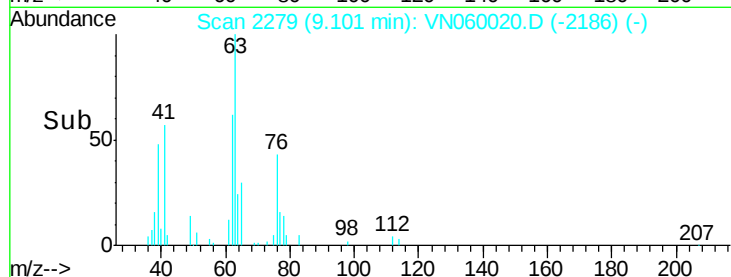
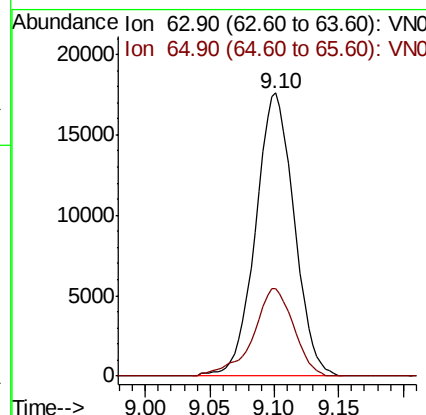
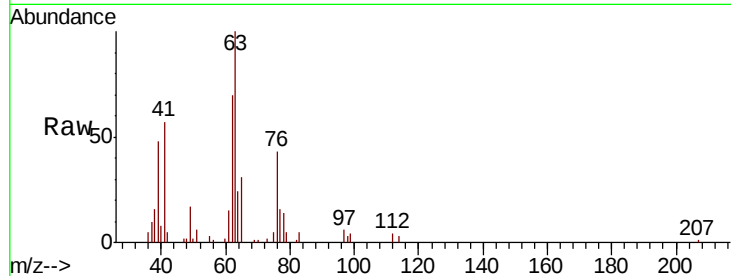
#45
 1,2-Dichloropropane
 Concen: 21.271 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion: 63 Resp: 36762
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.9 37.3

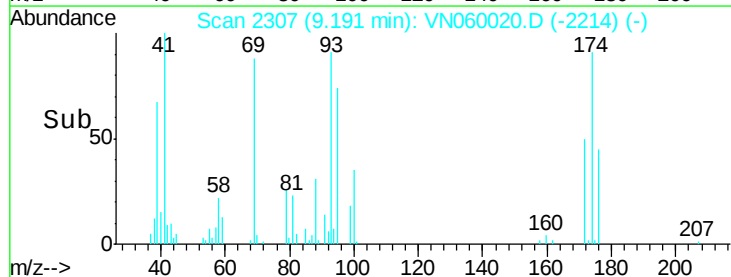
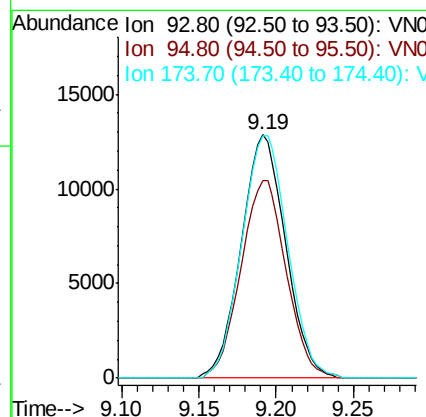
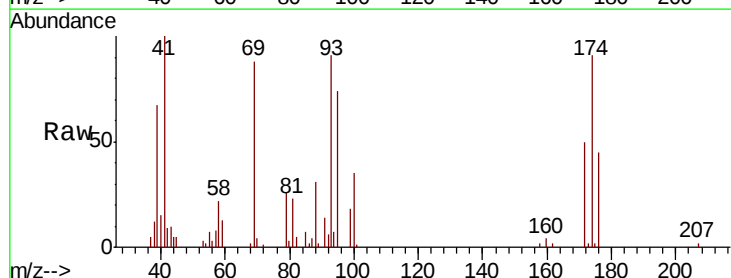
Manual Integrations
 APPROVED

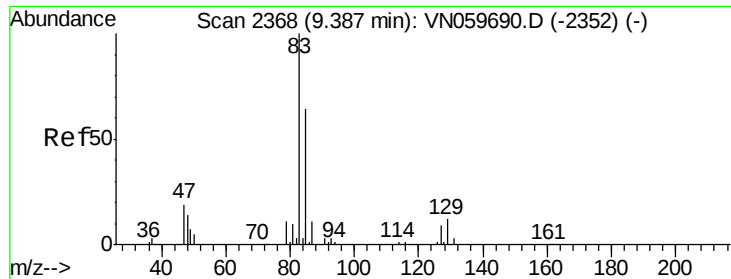
MMDadoda
 2/10/2020 9:32:46 AM



#46
 Dibromomethane
 Concen: 21.115 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion: 93 Resp: 25742
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 102.9 73.4 110.2





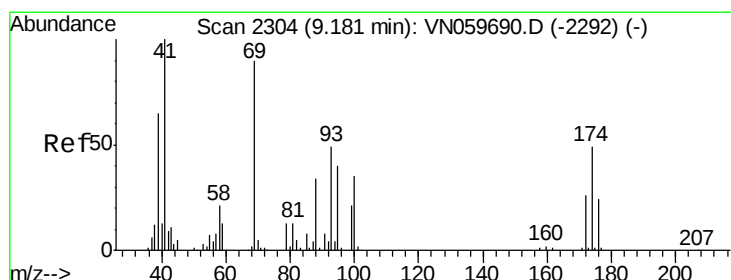
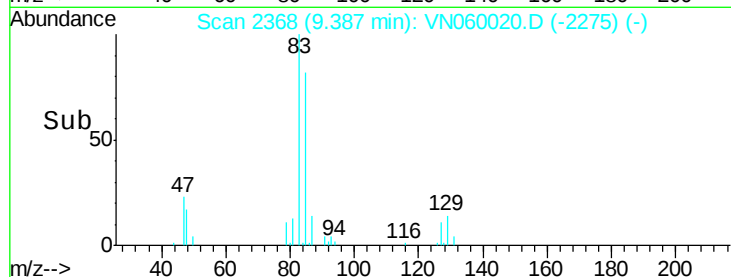
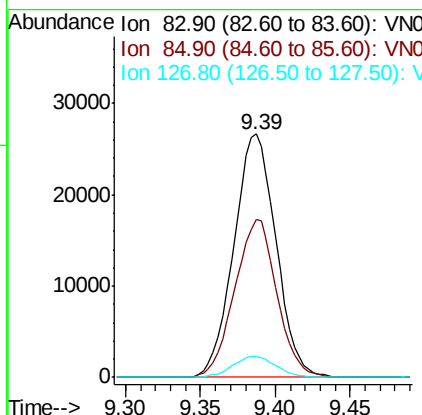
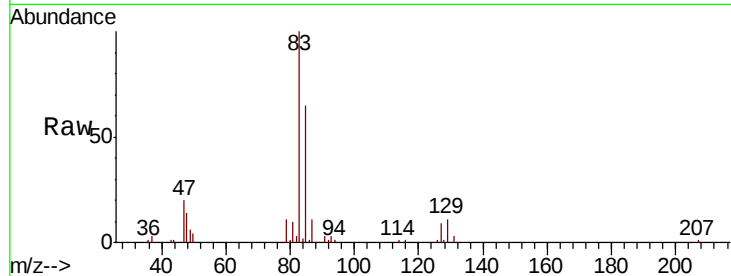
#47
Bromodichloromethane
Concen: 21.259 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampled :
VN0207WBSD01

Tot Ion	83	Resp	52229
Ion Ratio	100		
83	100		
85	64.6	51.1	76.7
127	8.5	6.6	9.8

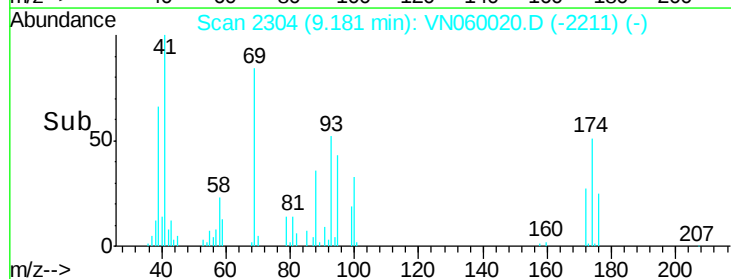
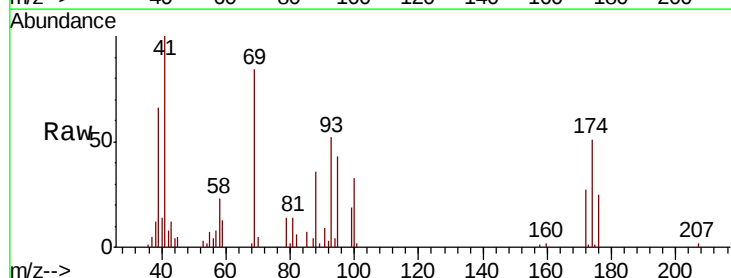
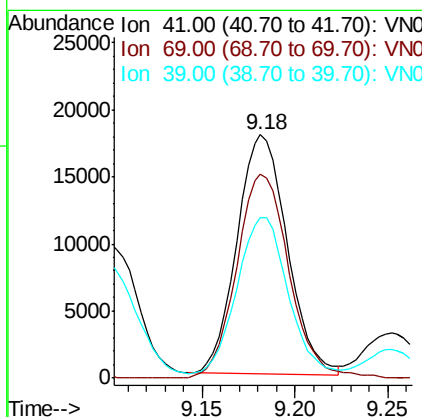
Manual Integrations
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2/10/2020 9:32:46 AM



#48
Methyl methacrylate
Concen: 20.043 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	41	Resp	33871
Ion Ratio	100		
41	100		
69	88.7	64.4	96.6
39	70.1	51.3	76.9





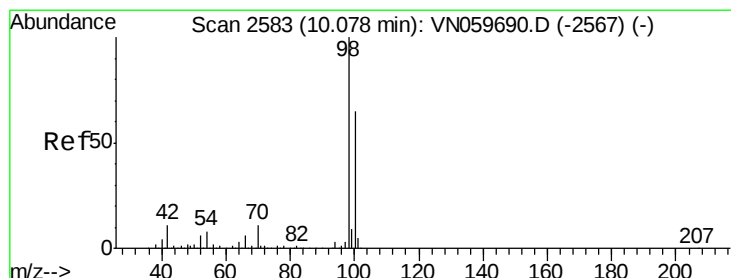
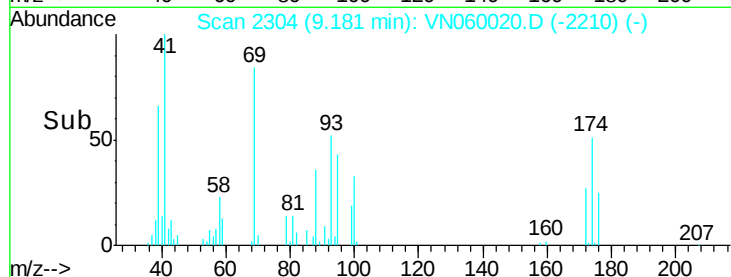
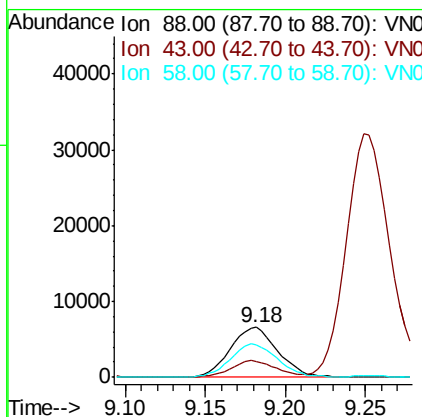
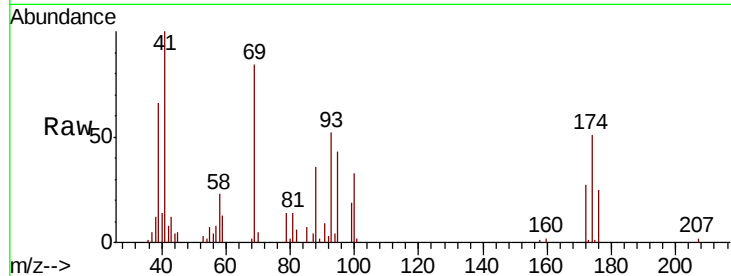
#49
1,4-Dioxane
Concen: 432.337 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	29.7	44.5
58	65.6	56.6	85.0

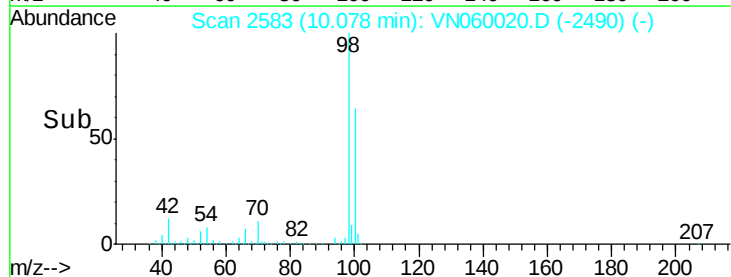
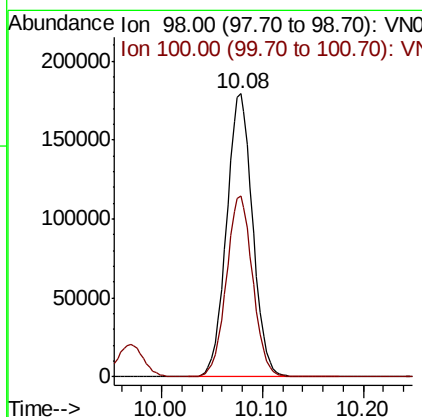
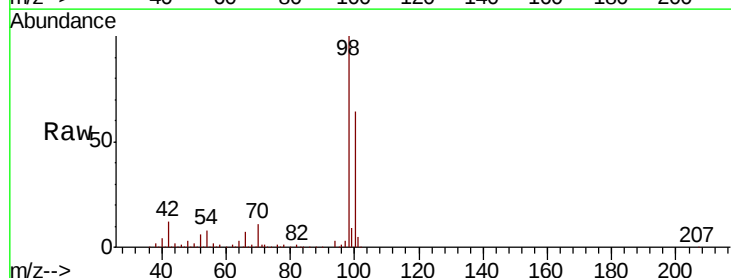
Manual Integrations
APPROVED

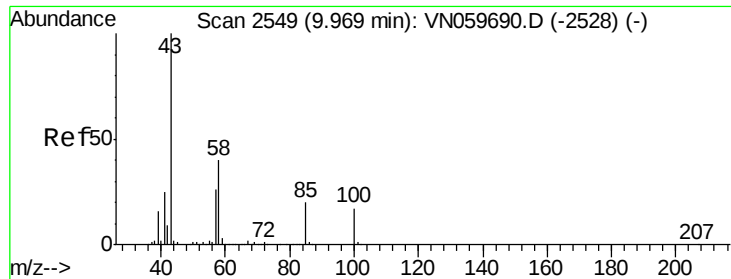
MMDadoda
2/10/2020 9:32:46 AM



#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





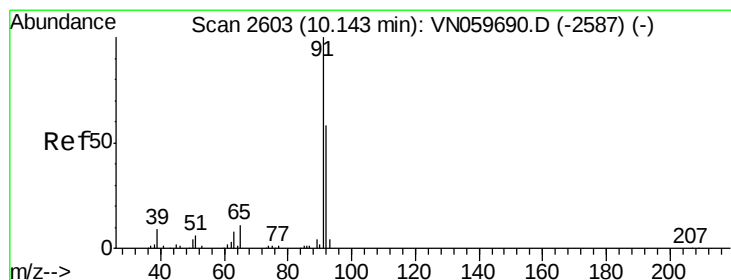
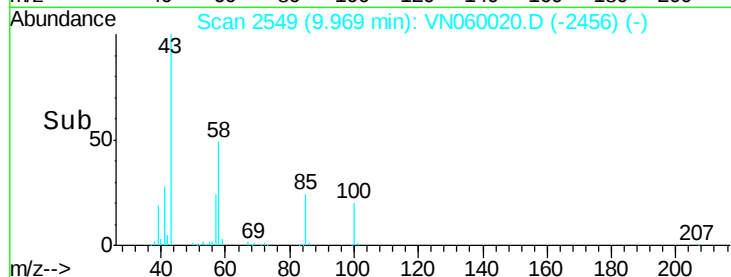
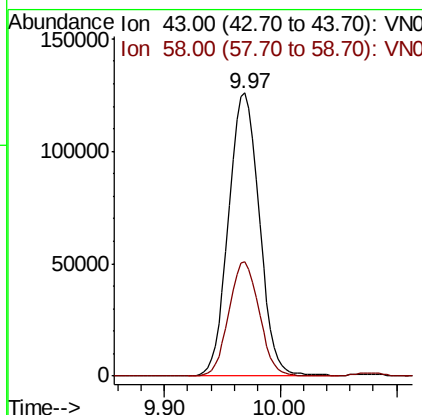
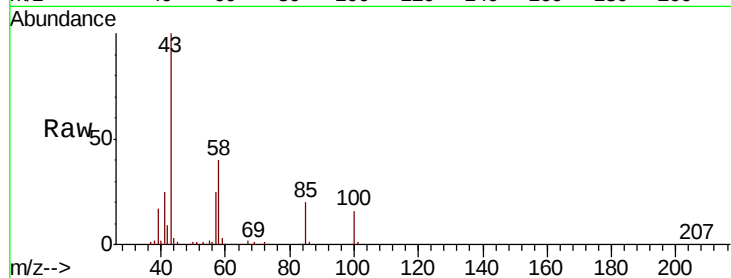
#51
4-Methyl-2-Pentanone
Concen: 106.169 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	29.8	44.8

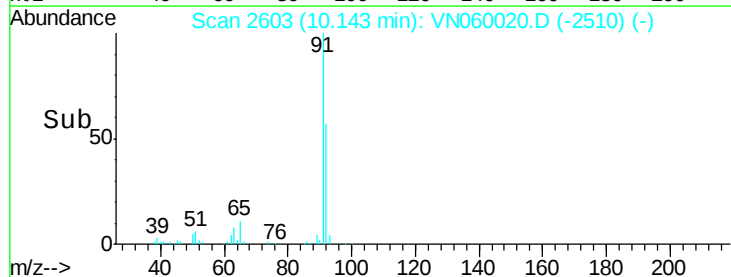
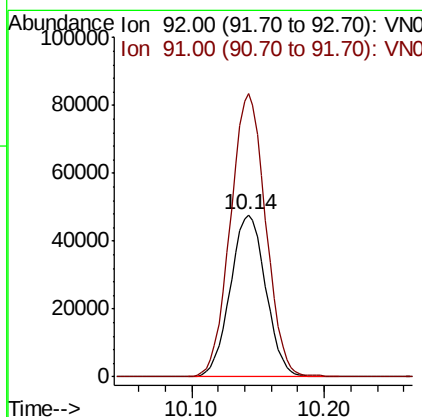
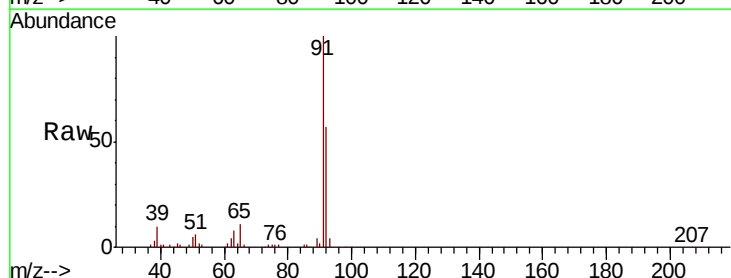
Manual Integrations
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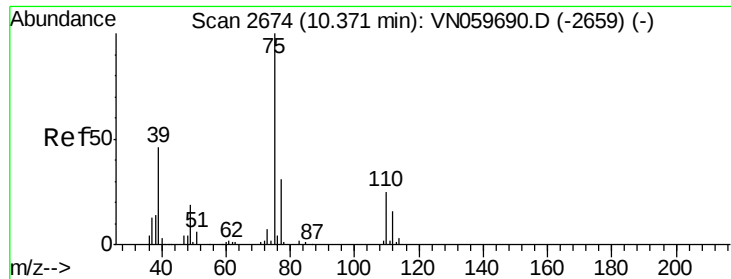
MMDadoda
2/10/2020 9:32:46 AM



#52
Toluene
Concen: 20.061 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	140.4	210.6





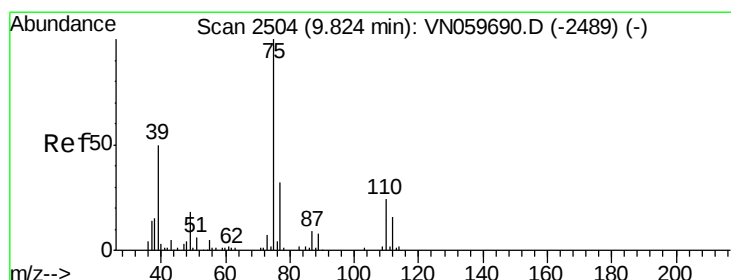
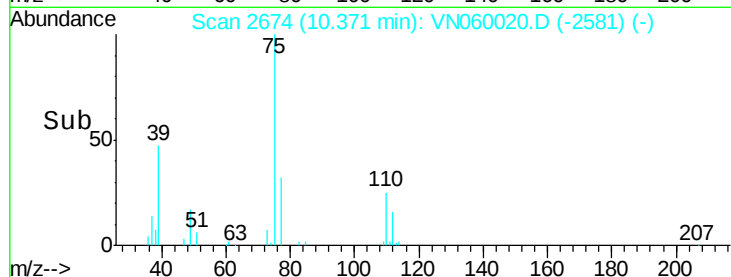
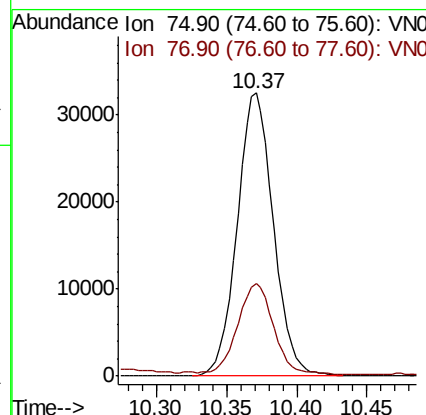
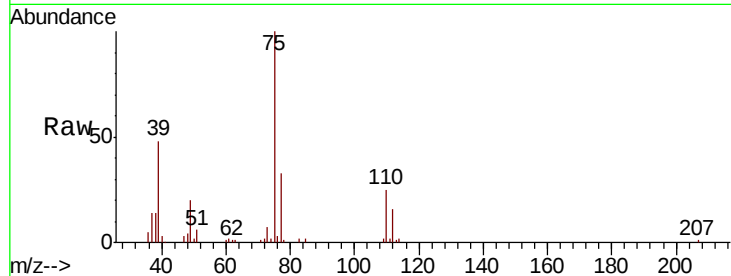
#53
t-1,3-Dichloropropene
Concen: 21.285 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

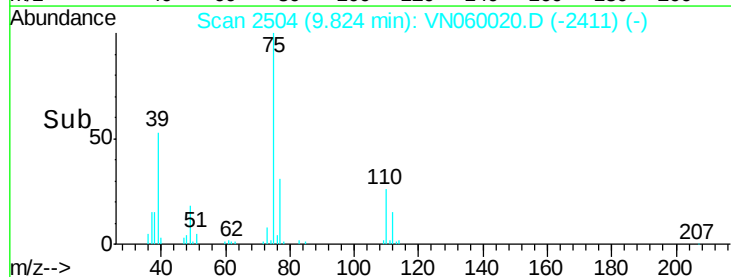
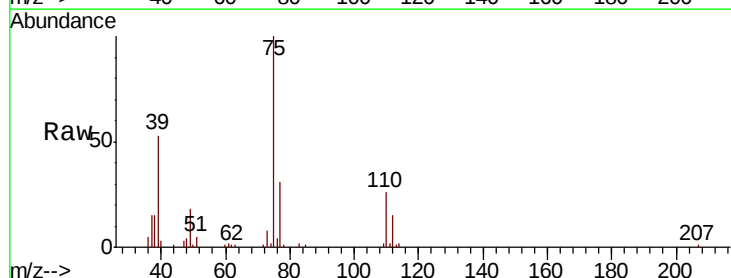
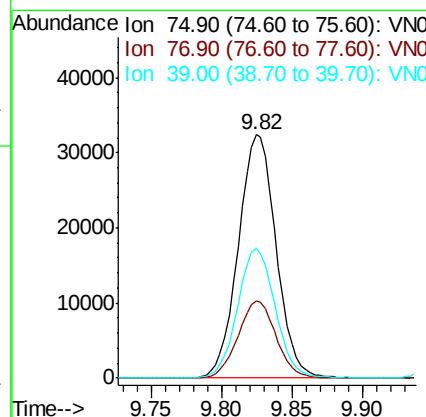
Manual Integrations
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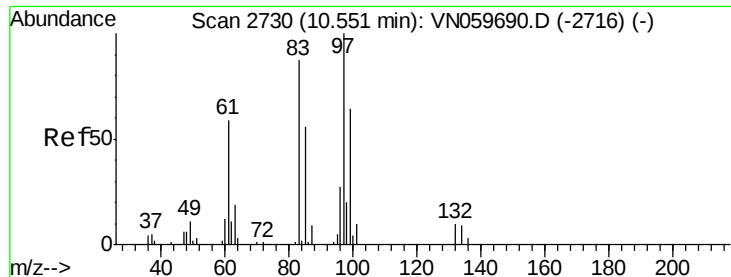
MMDadoda
2/10/2020 9:32:46 AM



#54
cis-1,3-Dichloropropene
Concen: 21.025 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	53.3	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 21.767 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

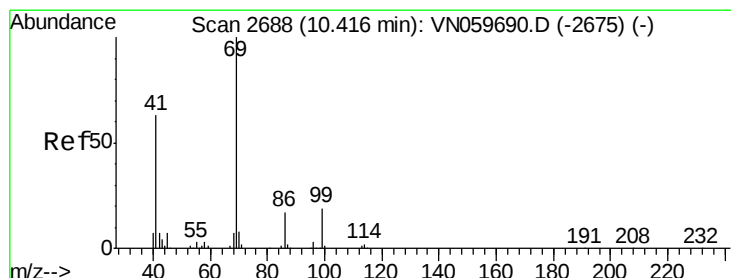
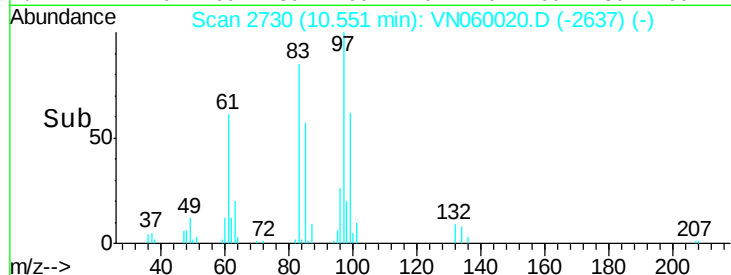
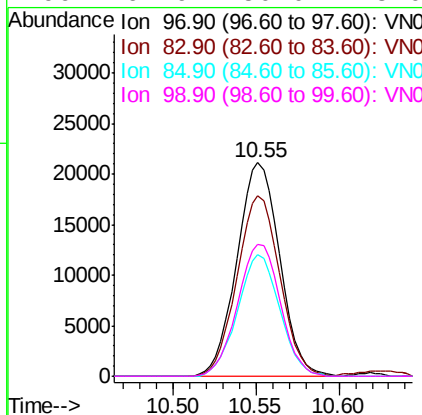
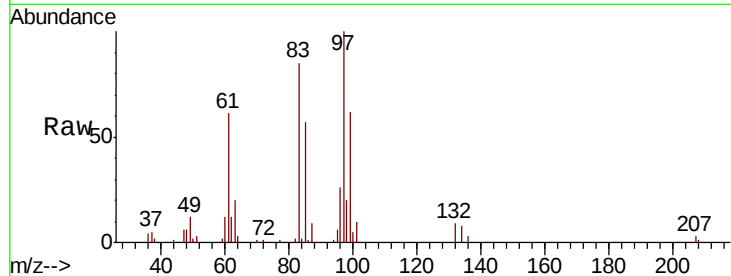
ClientSampleId :

VN0207WBSD01

Tot Ion:	97	Resp:	38034
Ion	Ratio	Lower	Upper
97	100		
83	84.6	71.3	106.9
85	56.9	45.8	68.8
99	61.9	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.968 ug/l

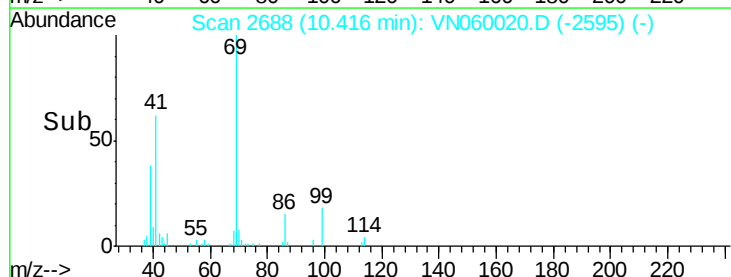
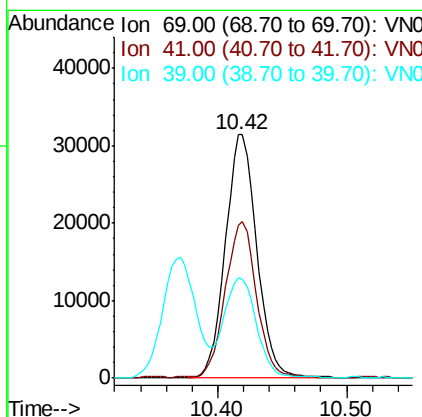
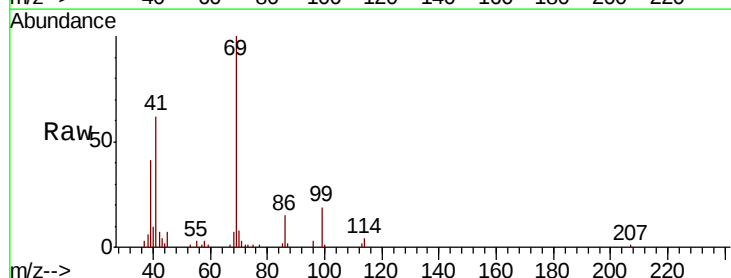
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	69	Resp:	53311
Ion	Ratio	Lower	Upper
69	100		
41	64.3	57.1	85.7
39	43.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 22.085 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 76 Resp: 61264

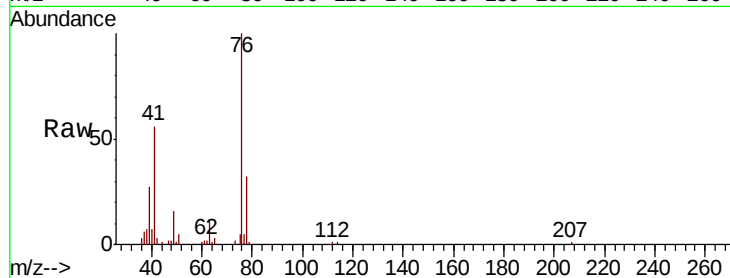
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8

Manual Integrations
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2/10/2020 9:32:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060020.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060020.D (-2682) (-)

10.70

40000

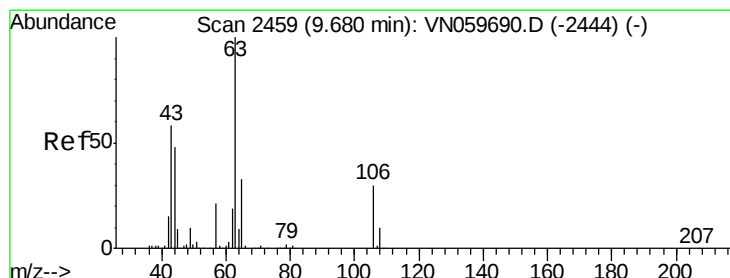
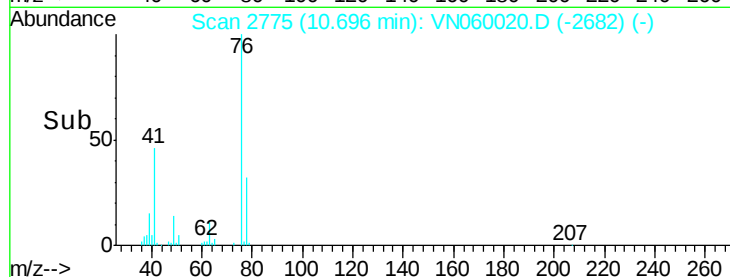
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.147 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060020.D

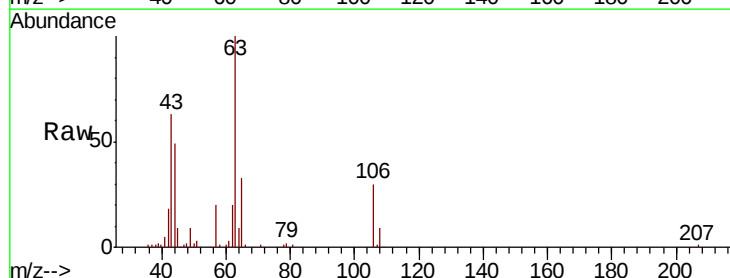
Acq: 7 Feb 2020 10:49

Tgt Ion: 63 Resp: 84556

Ion Ratio Lower Upper

63 100

106 29.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN060020.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060020.D (-2366) (-)

9.68

50000

40000

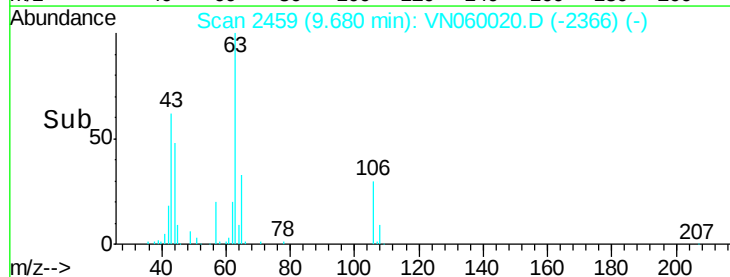
30000

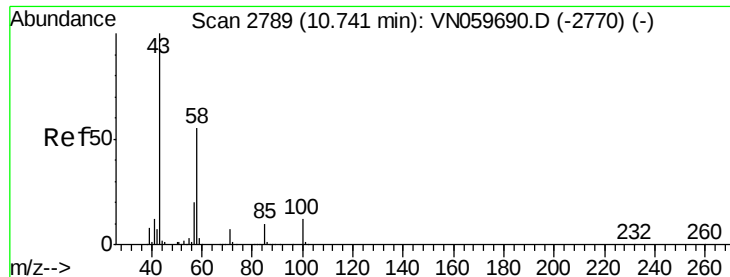
20000

10000

0

Time-->





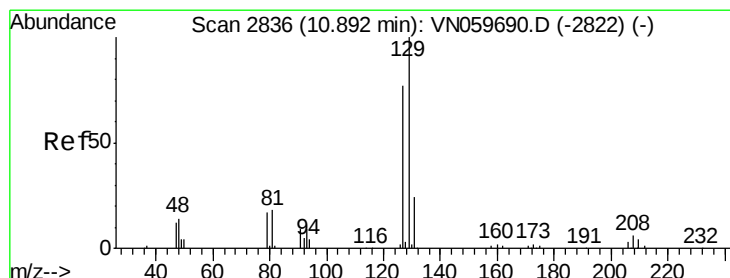
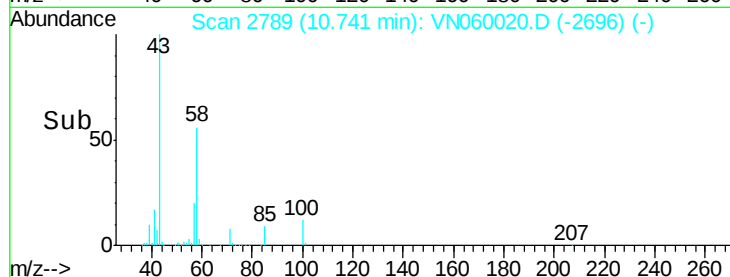
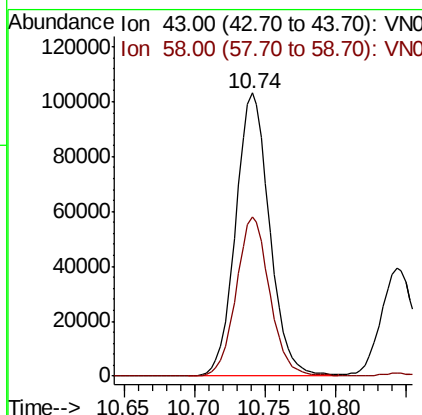
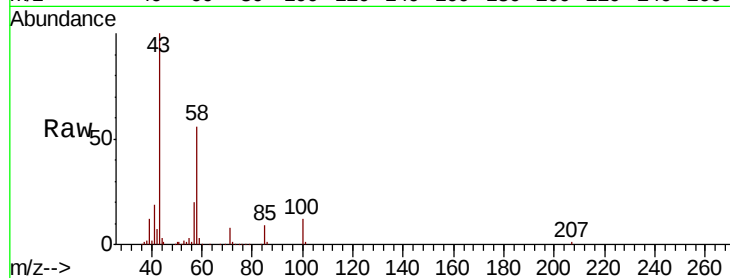
#59
2-Hexanone
Concen: 108.238 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	25.8	77.3

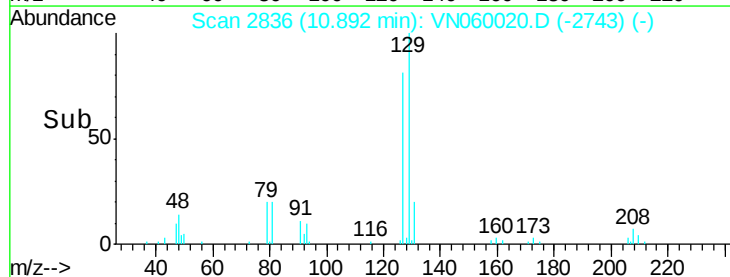
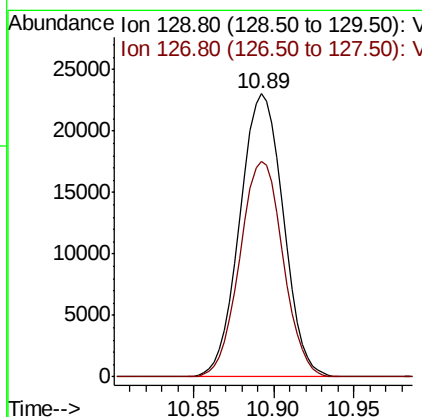
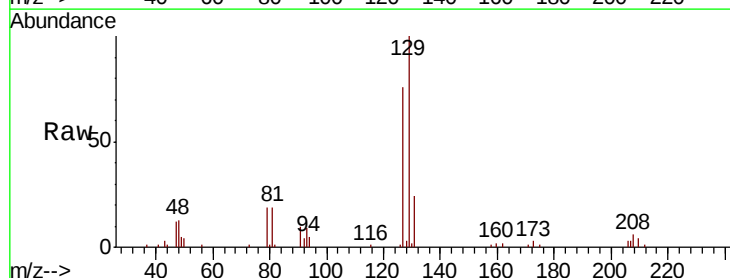
Manual Integrations
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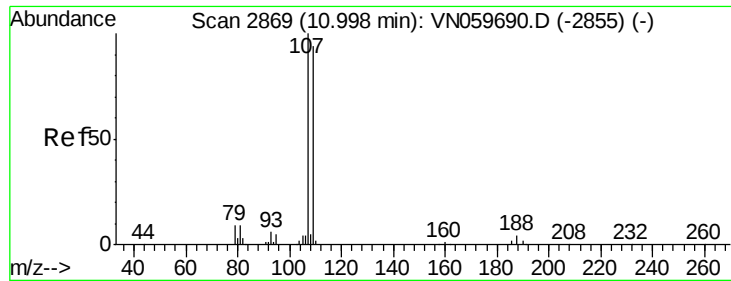
MMDadoda
2/10/2020 9:32:46 AM



#60
Dibromochloromethane
Concen: 21.521 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.5	115.5





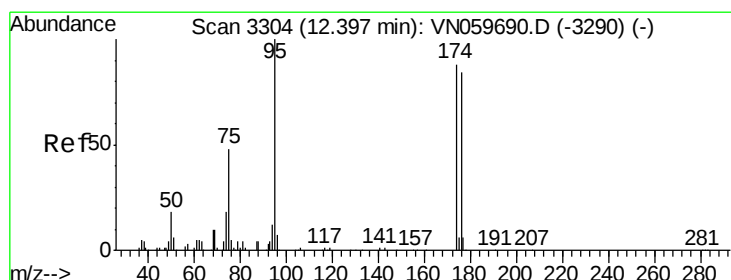
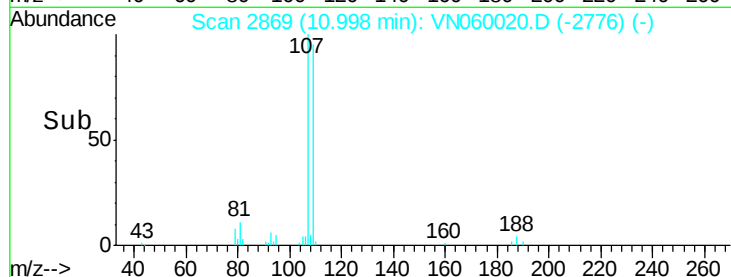
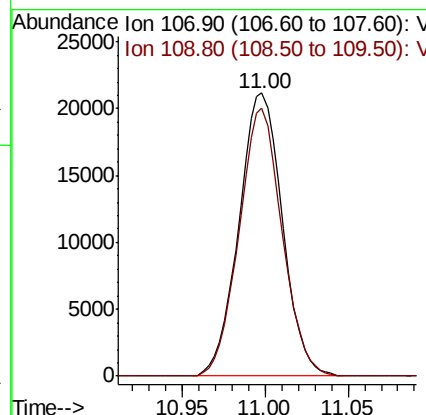
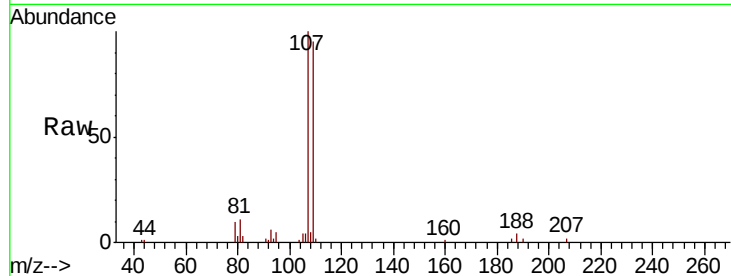
#61
 1,2-Dibromoethane
 Concen: 21.048 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.6	115.0

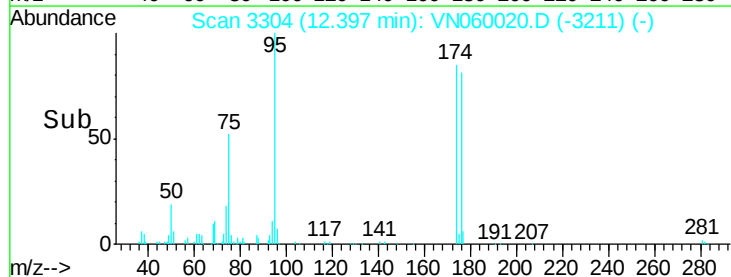
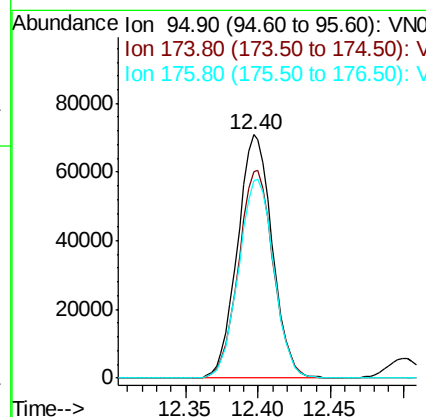
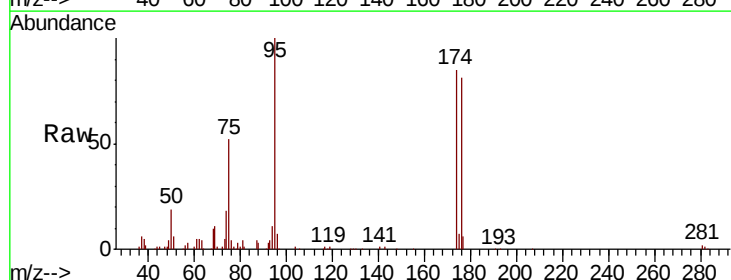
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.602 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	151.4
176	82.9	0.0	146.0





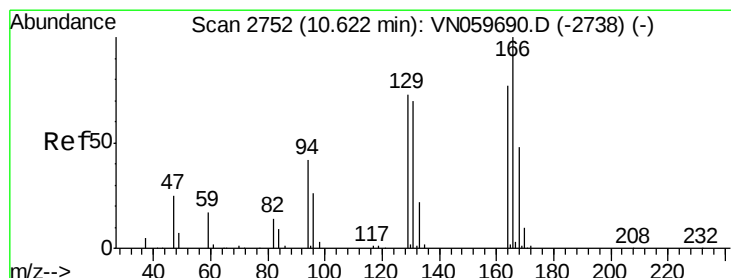
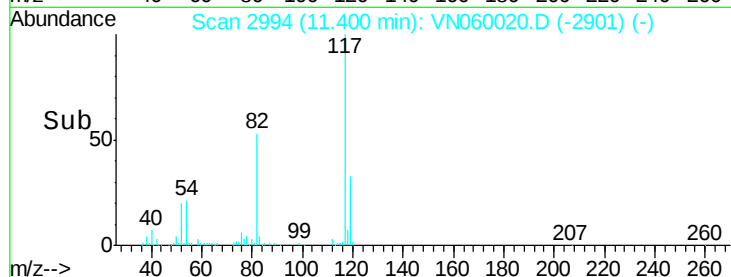
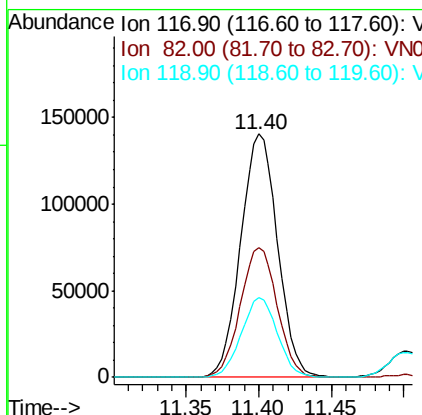
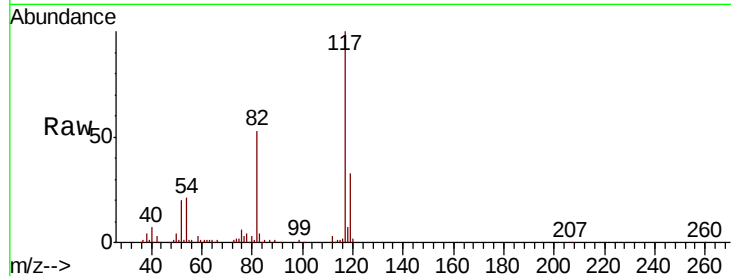
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248327		
82	53.5	45.9	68.9	
119	32.6	25.5	38.3	

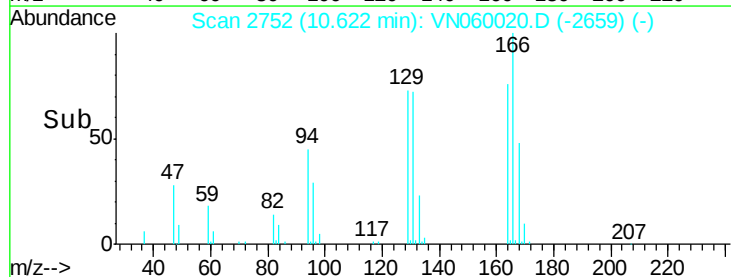
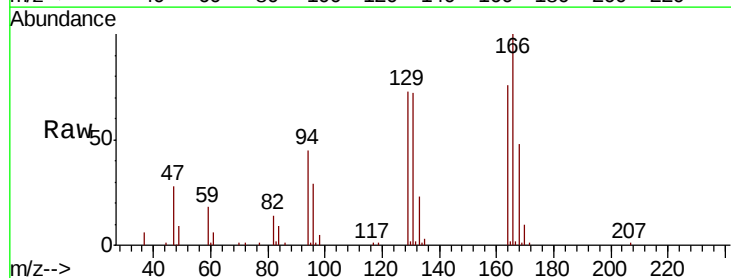
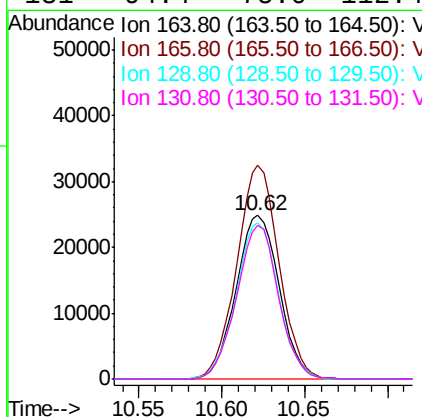
Manual Integrations
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#64
Tetrachloroethene
Concen: 22.237 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45005		
166	130.8	101.4	152.0	
129	95.3	80.2	120.4	
131	94.4	75.0	112.4	





#65

Chlorobenzene

Concen: 20.154 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion:112 Resp: 98372

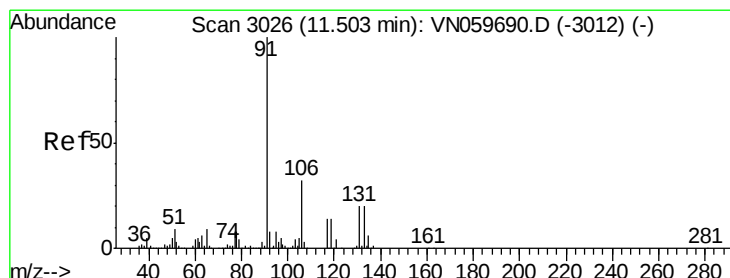
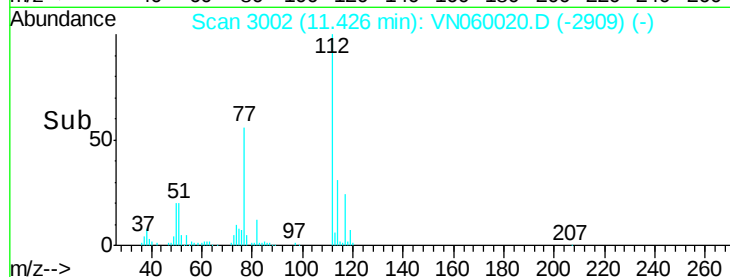
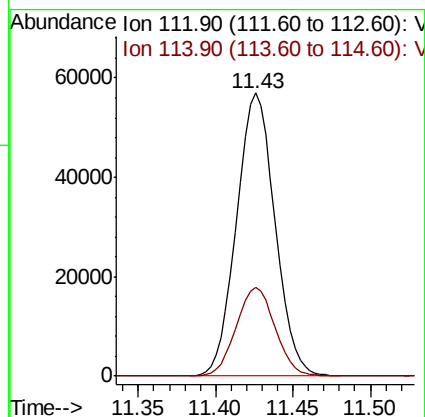
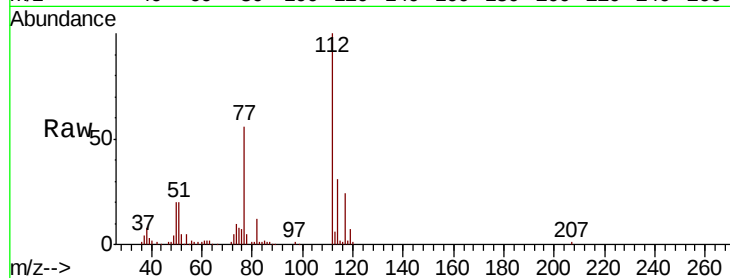
Ion Ratio Lower Upper

112 100

114 31.2 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.718 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

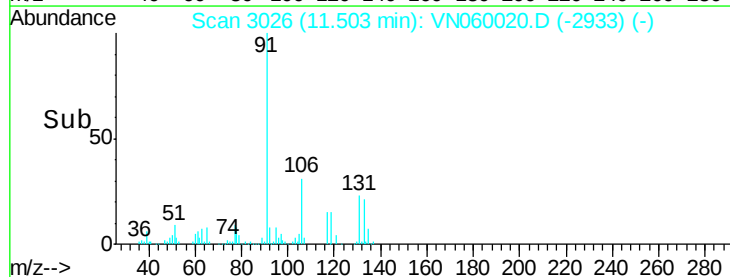
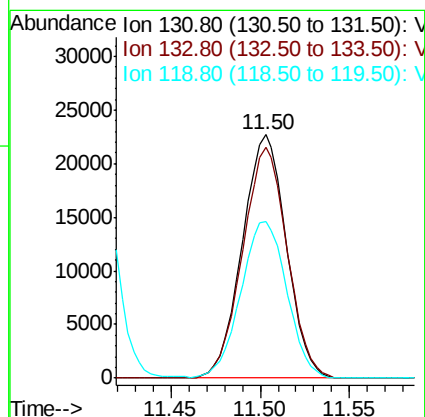
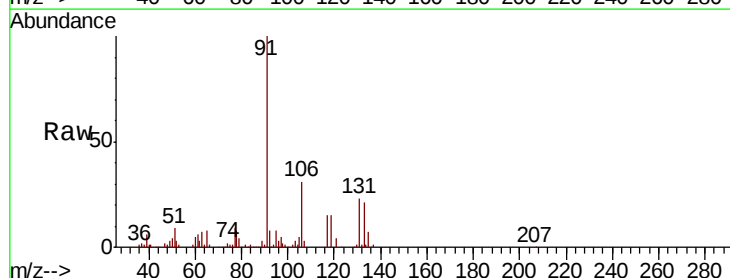
Tgt Ion:131 Resp: 39074

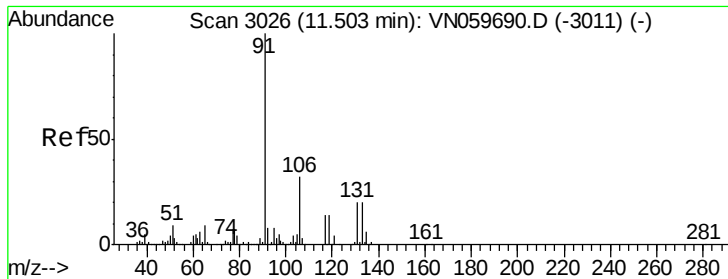
Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 67.1 33.1 99.3





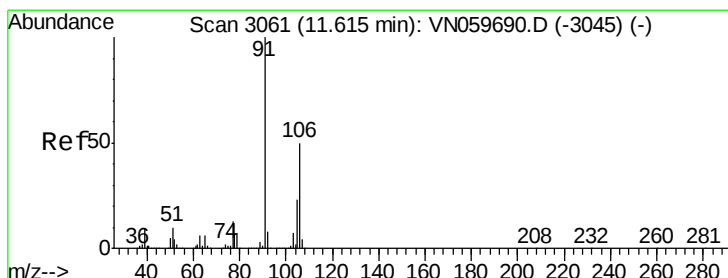
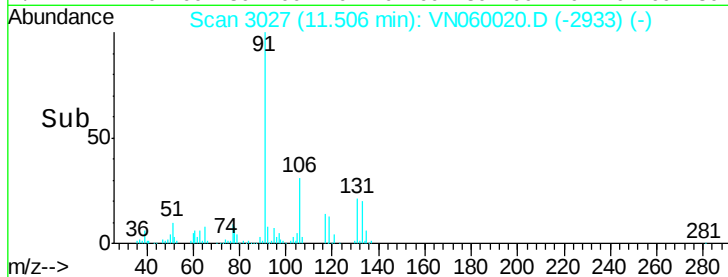
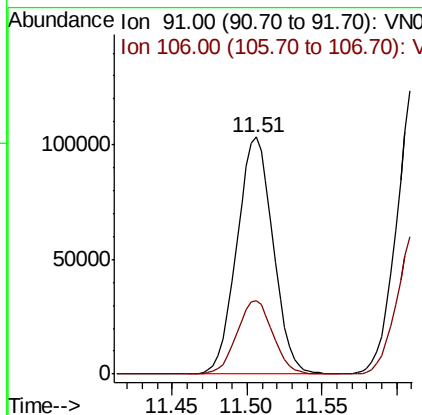
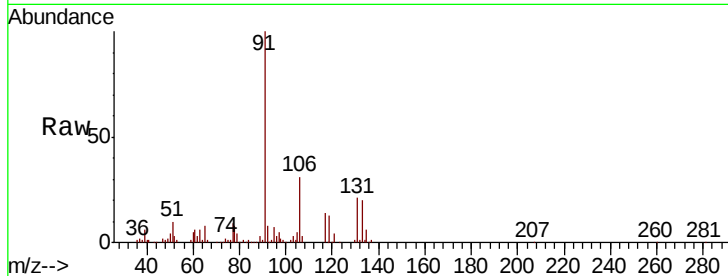
#67
Ethyl Benzene
Concen: 19.605 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.1	36.1

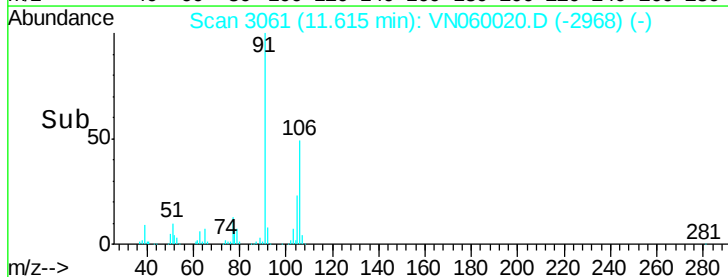
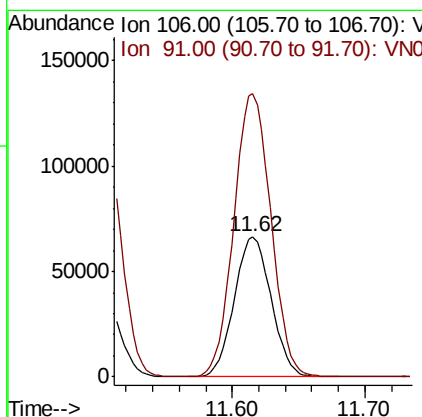
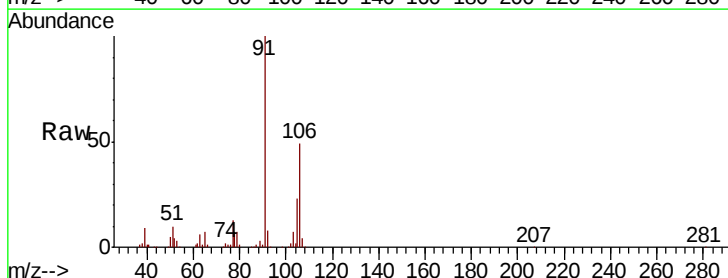
Manual Integrations
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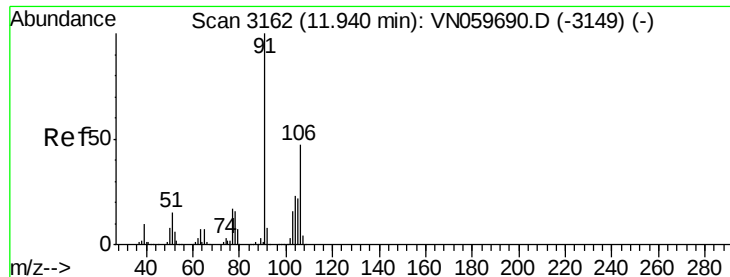
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#68
m/p-Xylenes
Concen: 38.305 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.8	167.9	251.9





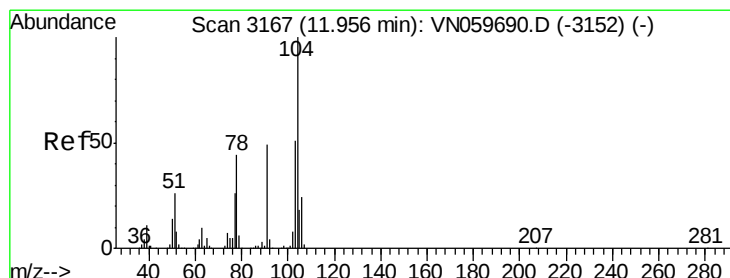
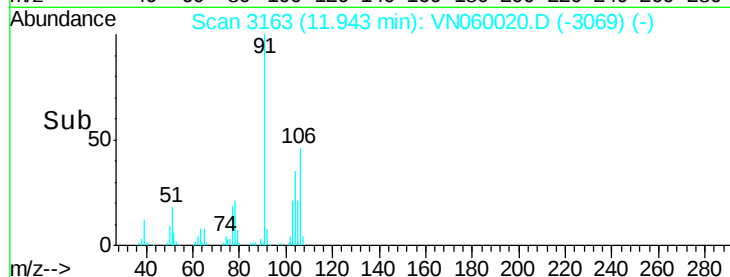
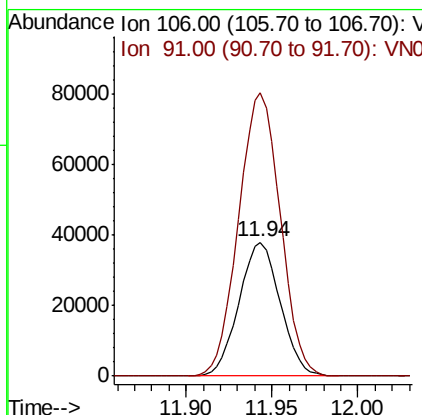
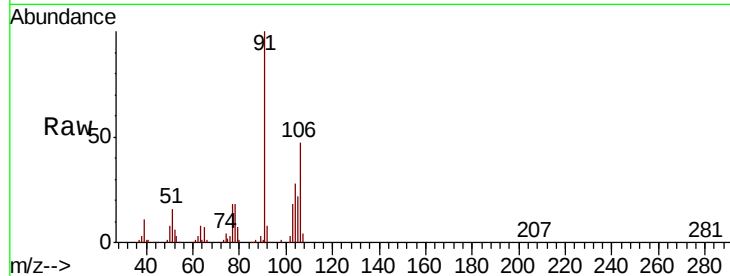
#69
o-Xylene
Concen: 19.284 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion:106 Resp: 63189
Ion Ratio Lower Upper
106 100
91 214.4 110.3 330.9

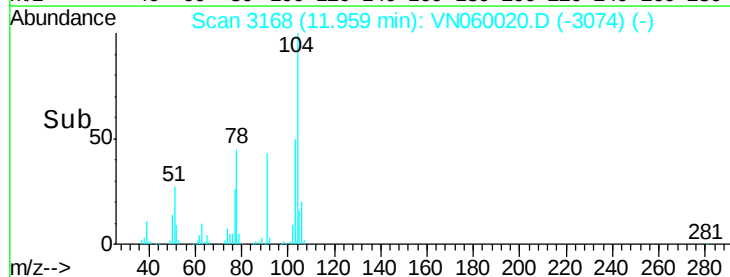
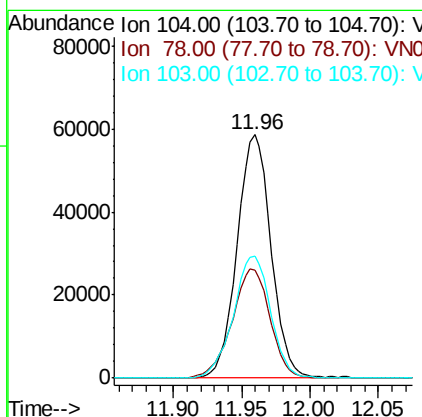
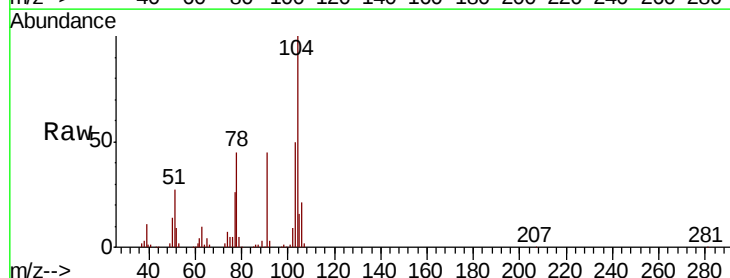
Manual Integrations
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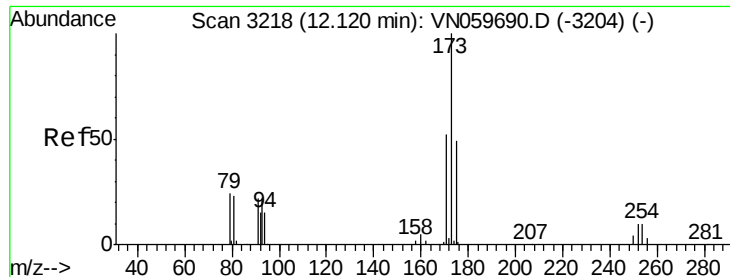
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#70
Styrene
Concen: 18.465 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion:104 Resp: 101243
Ion Ratio Lower Upper
104 100
78 50.1 42.4 63.6
103 55.0 43.9 65.9





#71

Bromoform

Concen: 20.588 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

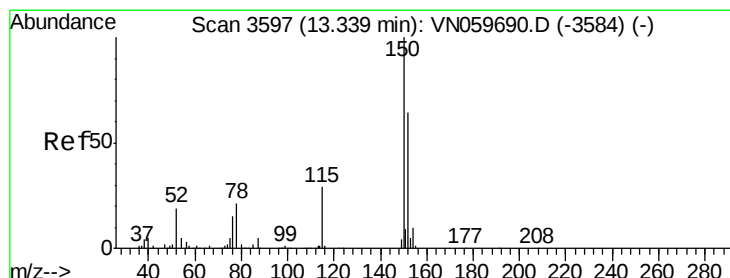
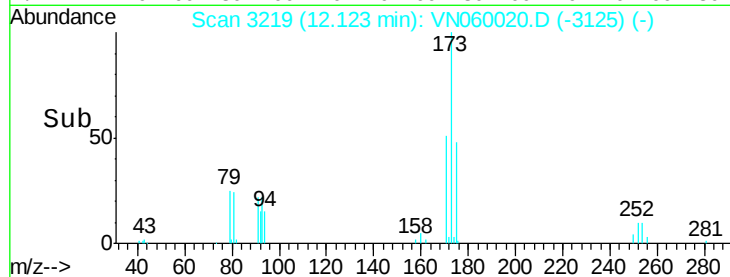
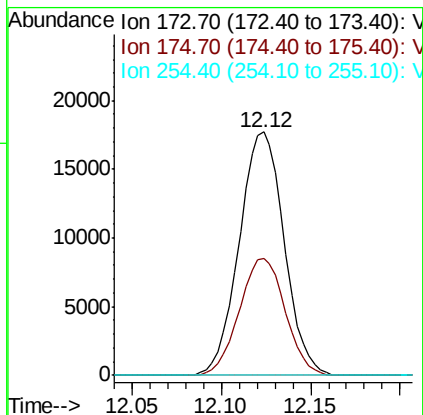
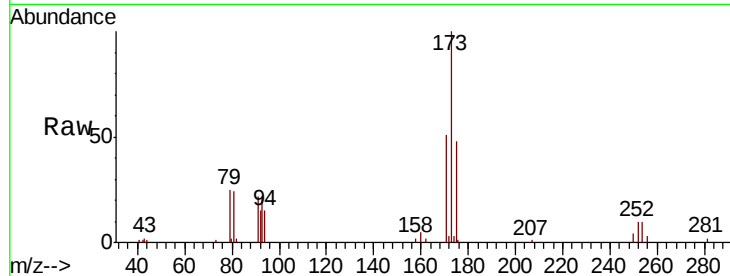
ClientSampleId :

VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

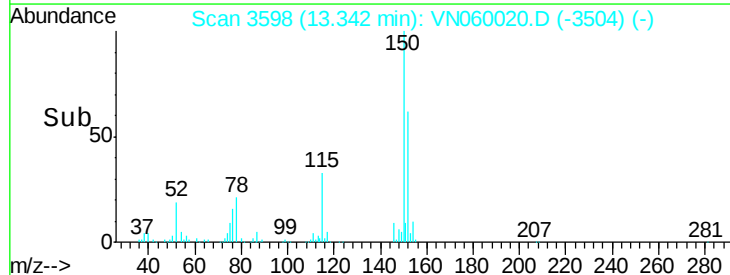
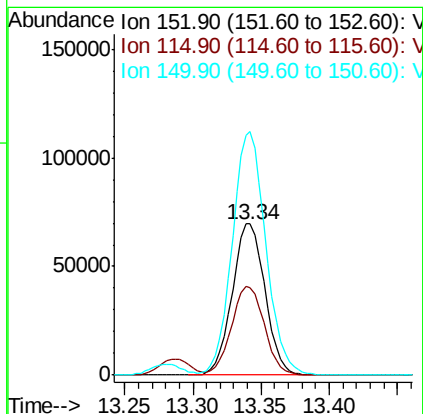
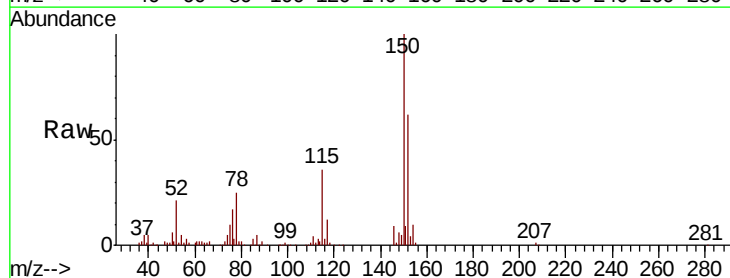
RT: 13.34 min Scan# 3598

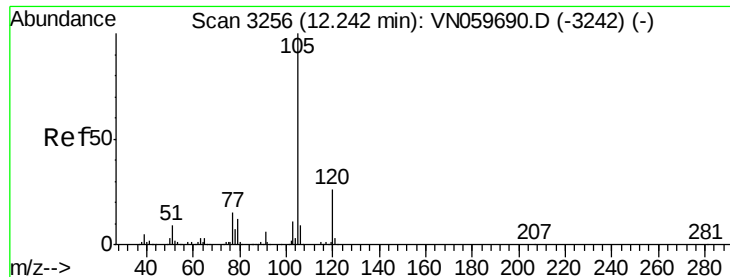
Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	90.9
150	164.4	0.0	345.2





#73

Isopropylbenzene

Concen: 20.116 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 105 Resp: 171239

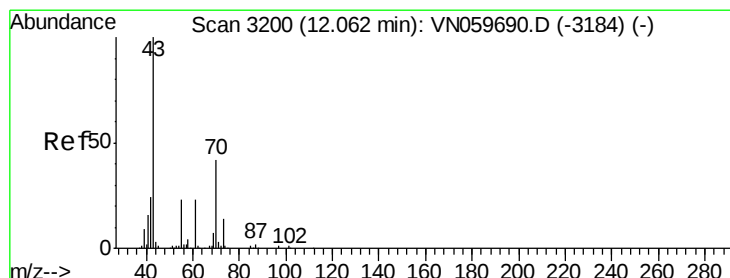
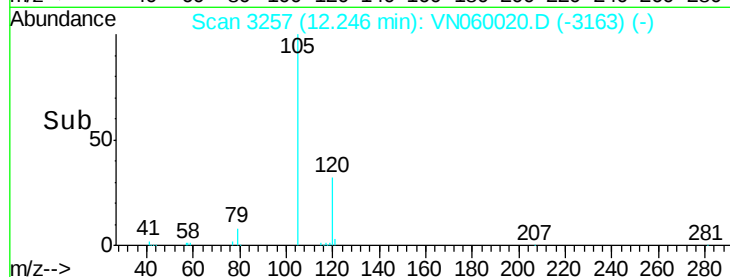
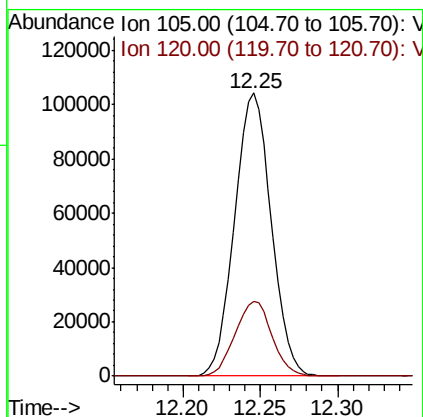
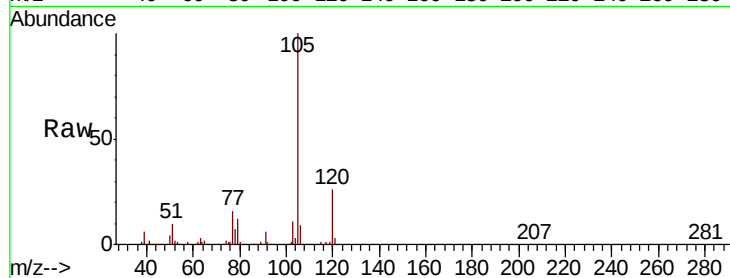
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.575 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion: 43 Resp: 64660

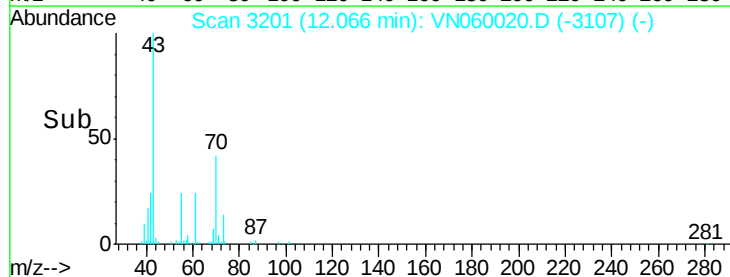
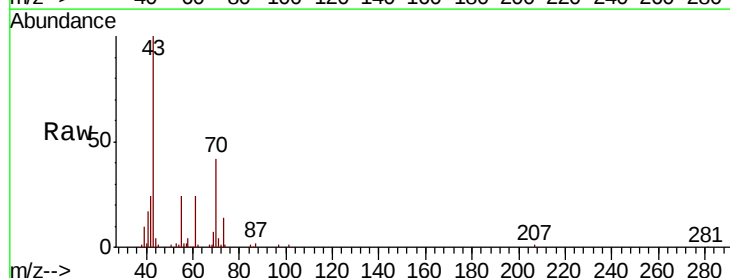
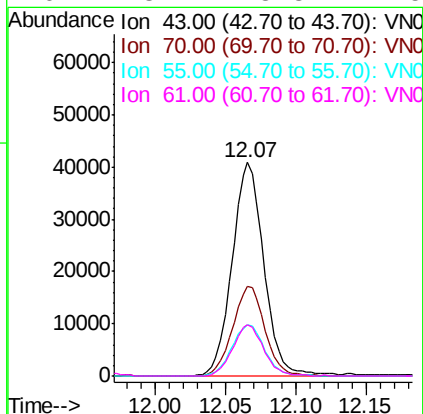
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 24.3 19.8 29.6

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.443 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

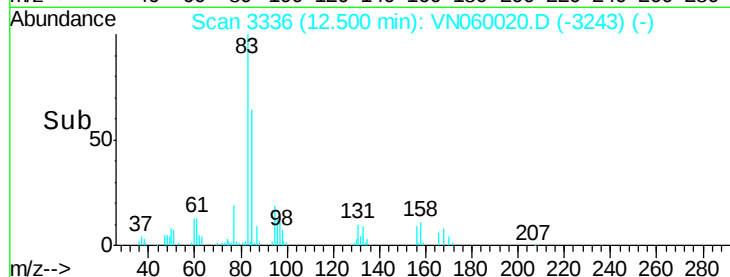
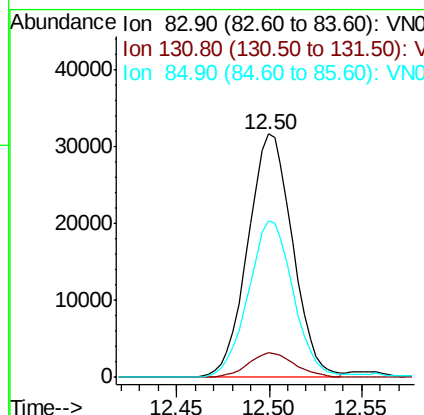
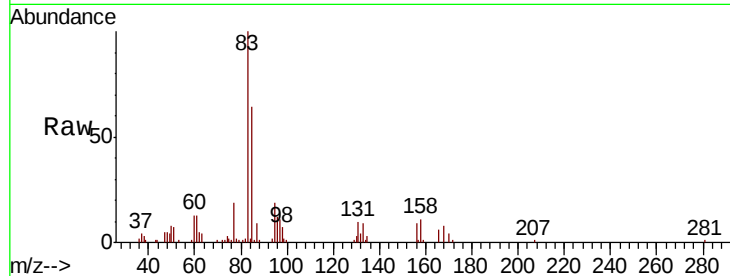
ClientSampleId :

VN0207WBSD01

Tot Ion:	83	Resp:	52916
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	64.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 24.015 ug/l m

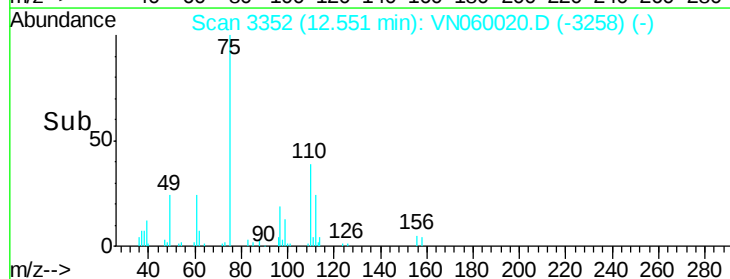
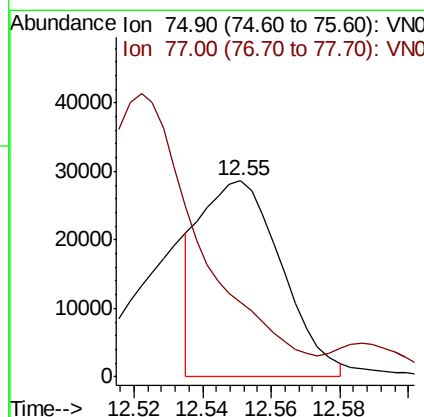
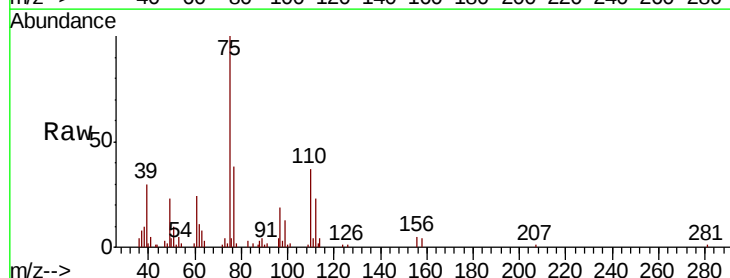
RT: 12.55 min Scan# 3352

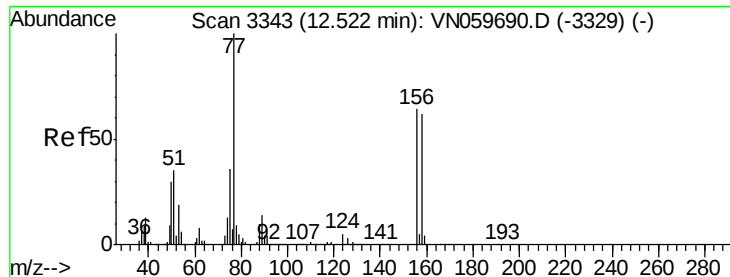
Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	75	Resp:	46909
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.941 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion:156 Resp: 42988

Ion Ratio Lower Upper

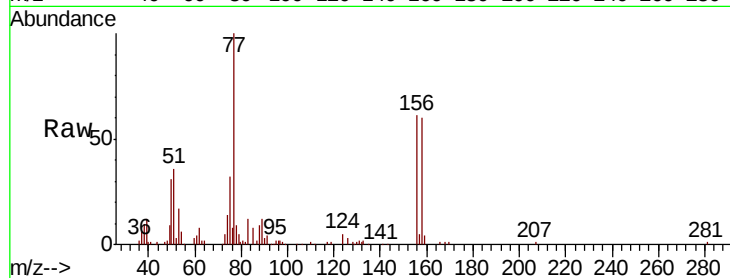
156 100

77 203.4 115.8 347.4

158 99.1 49.2 147.6

Manual Integrations
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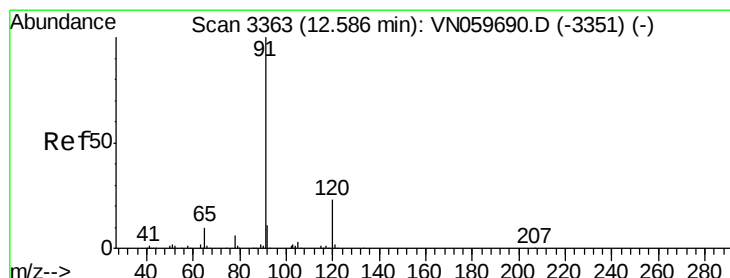
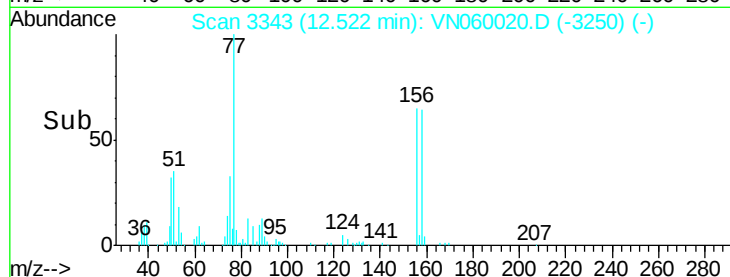
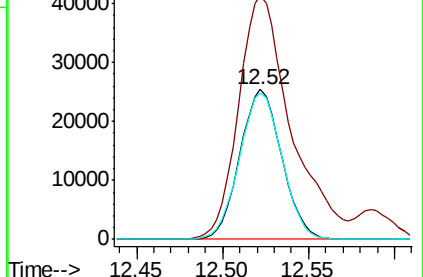
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.081 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060020.D

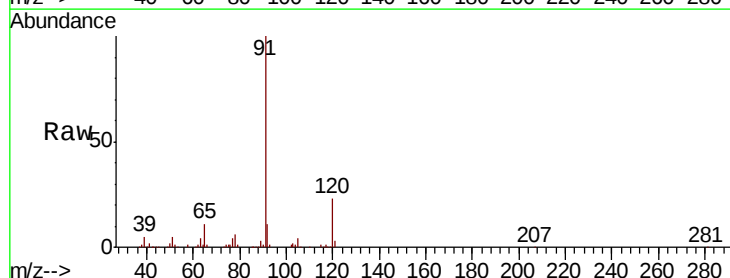
Acq: 7 Feb 2020 10:49

Tgt Ion: 91 Resp: 191866

Ion Ratio Lower Upper

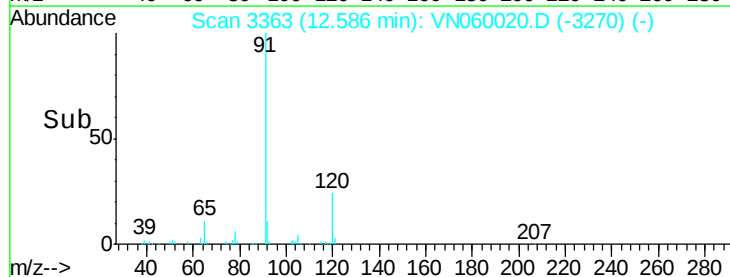
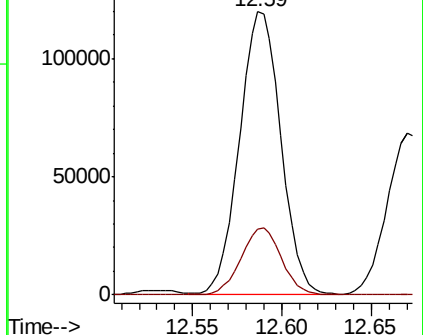
91 100

120 23.3 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: 20.006 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 91 Resp: 113712

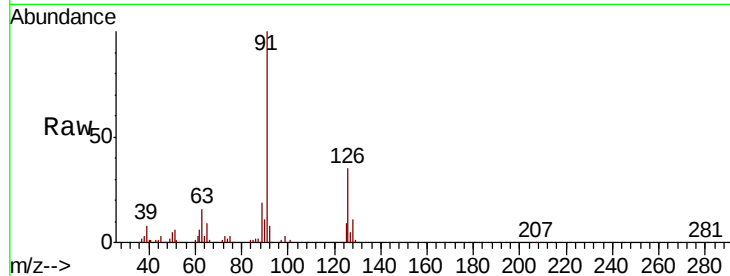
Ion Ratio Lower Upper

91 100

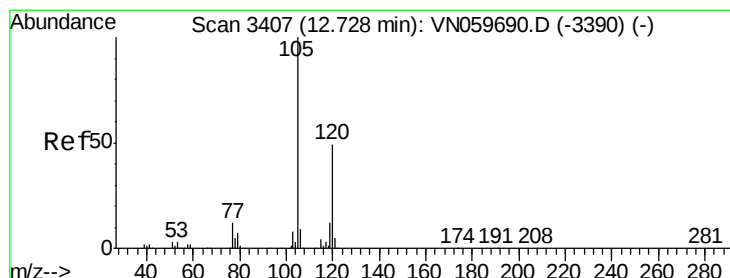
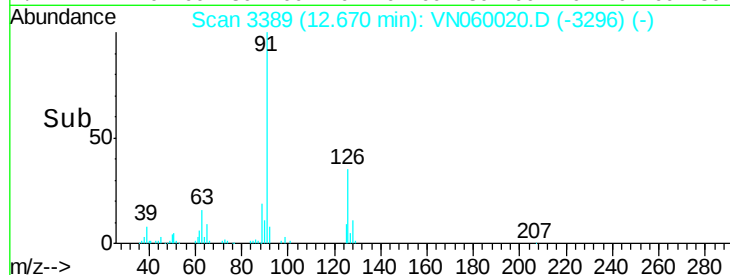
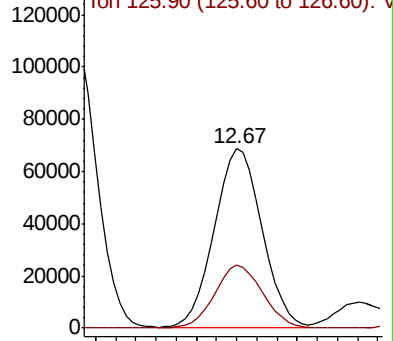
126 35.4 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN060020.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.956 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060020.D

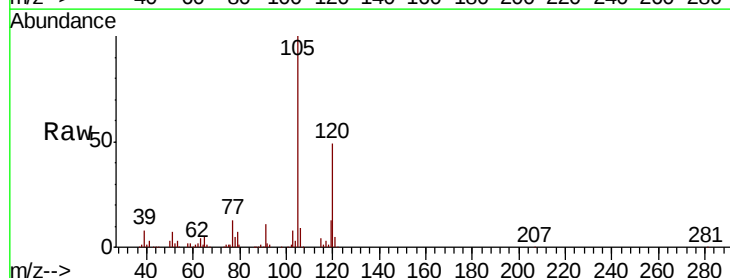
Acq: 7 Feb 2020 10:49

Tgt Ion: 105 Resp: 142868

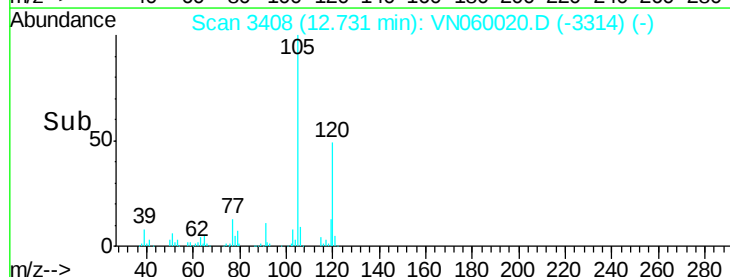
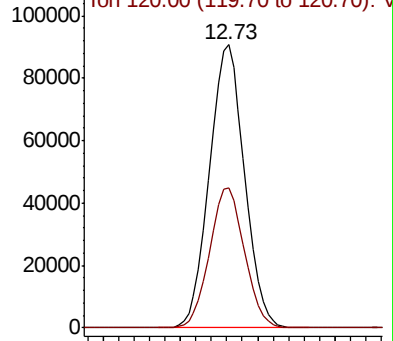
Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060020.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.534 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBSD01

Tot Ion: 75 Resp: 18678

Ion Ratio Lower Upper

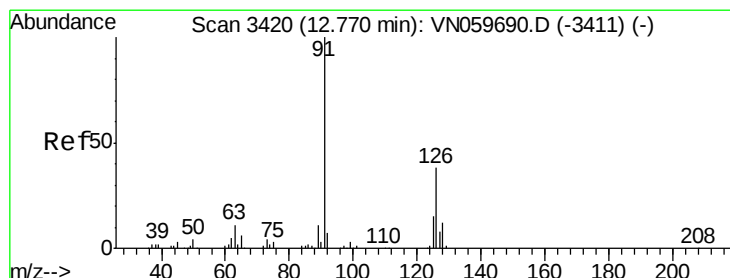
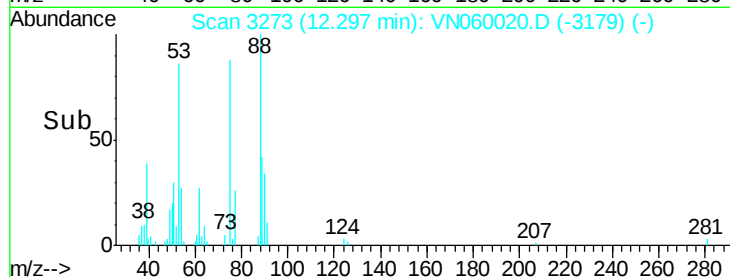
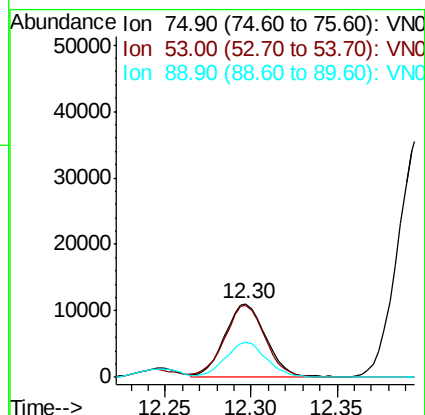
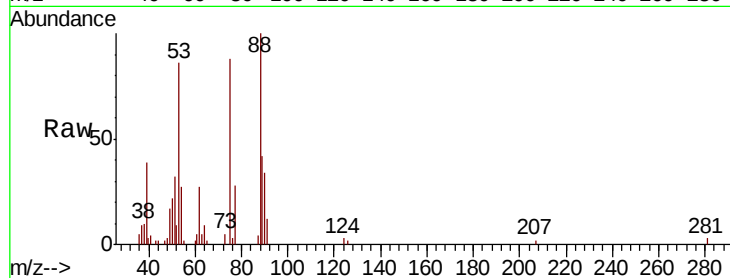
75 100

53 95.5 78.1 117.1

89 46.8 35.4 53.2

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#82

4-Chlorotoluene

Concen: 20.828 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060020.D

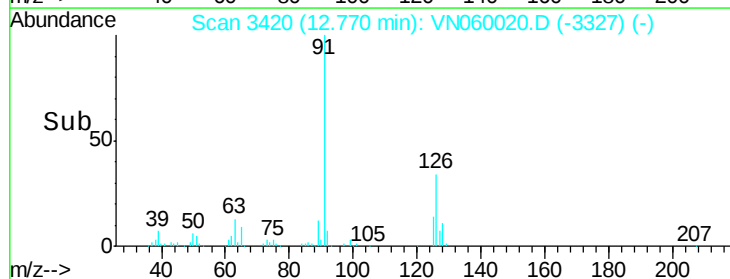
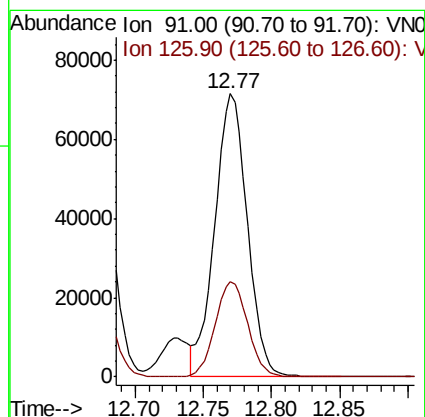
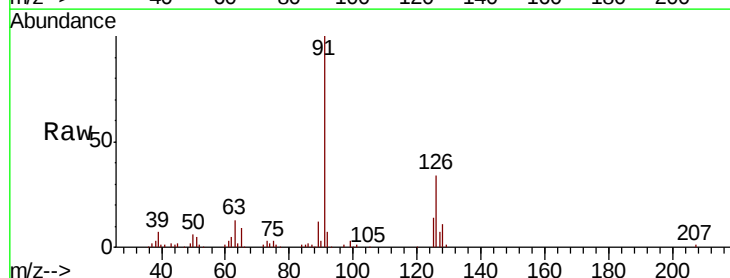
Acq: 7 Feb 2020 10:49

Tgt Ion: 91 Resp: 118745

Ion Ratio Lower Upper

91 100

126 33.5 16.3 48.8





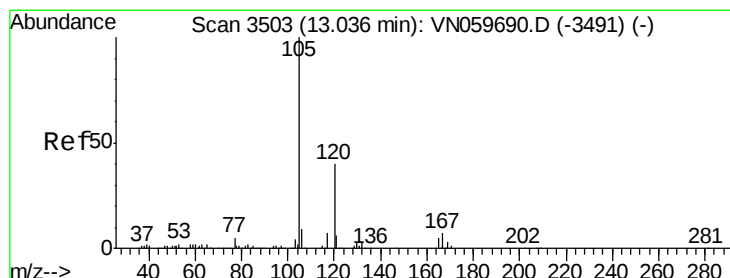
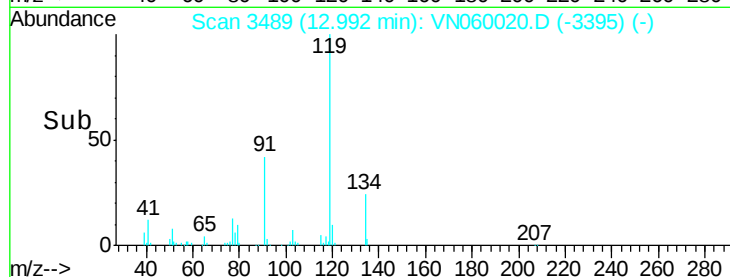
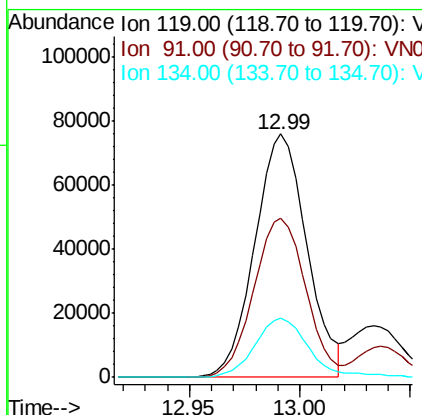
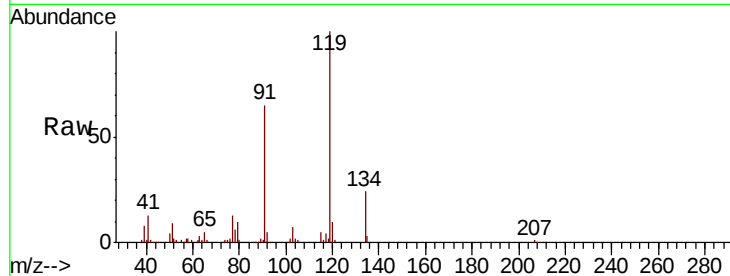
#83
 tert-Butylbenzene
 Concen: 20.054 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	34.8	104.4
134	25.2	12.3	36.9

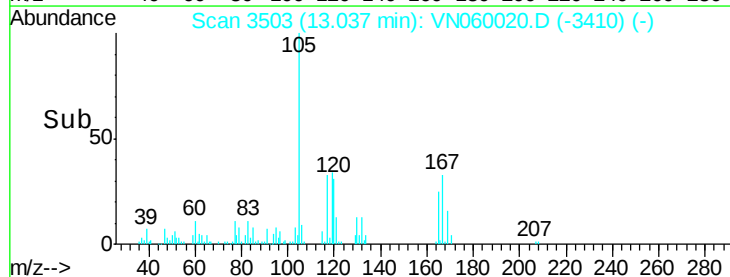
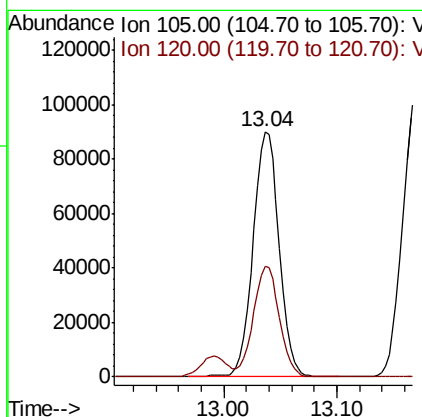
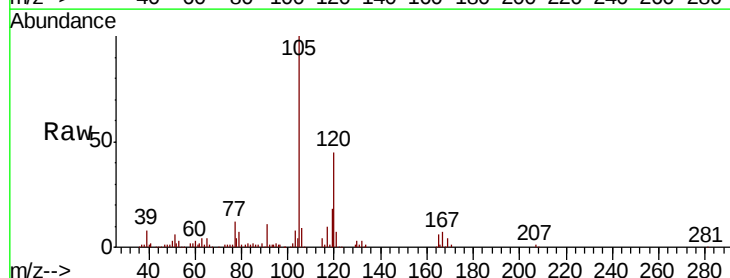
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.335 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.337 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

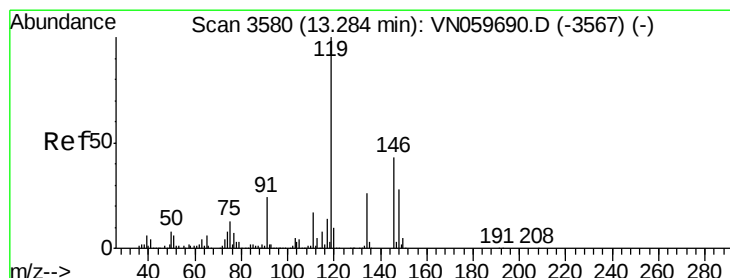
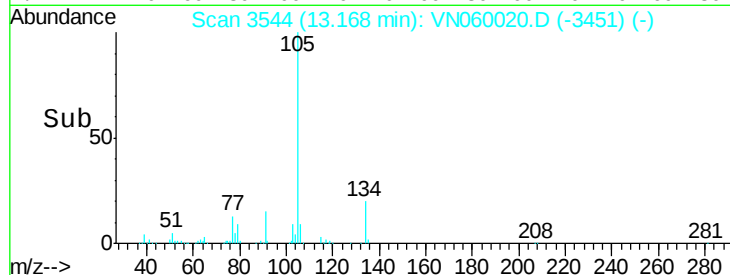
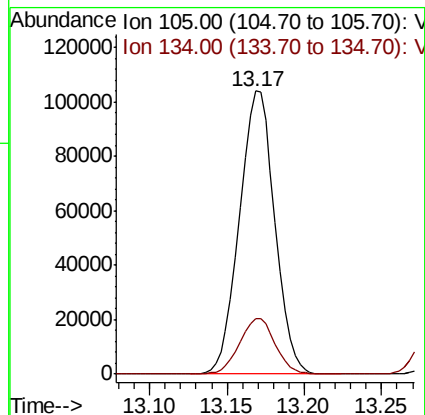
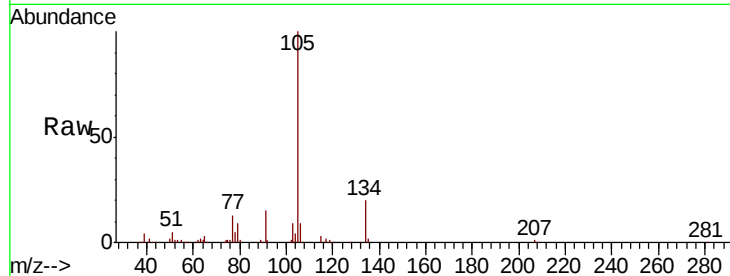
ClientSampleId :

VN0207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	165439		
134	19.8	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 20.348 ug/l

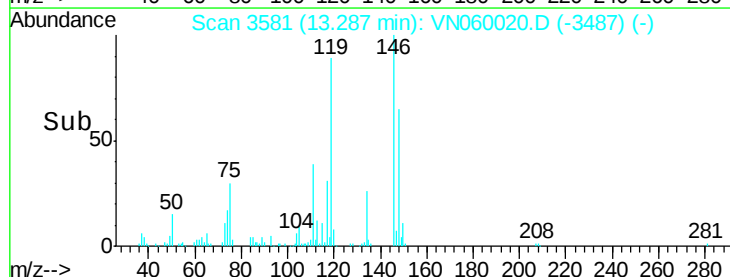
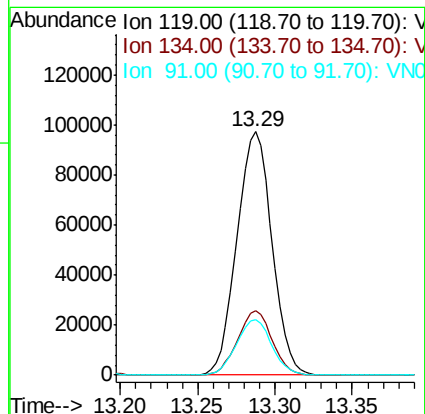
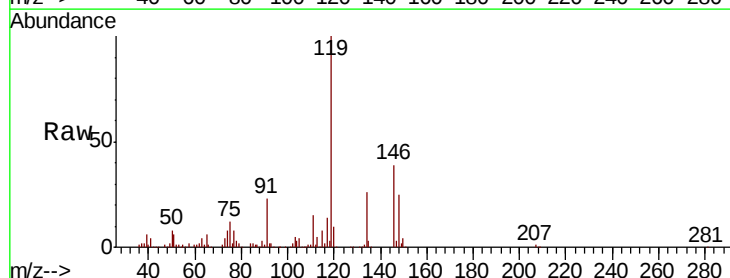
RT: 13.29 min Scan# 3581

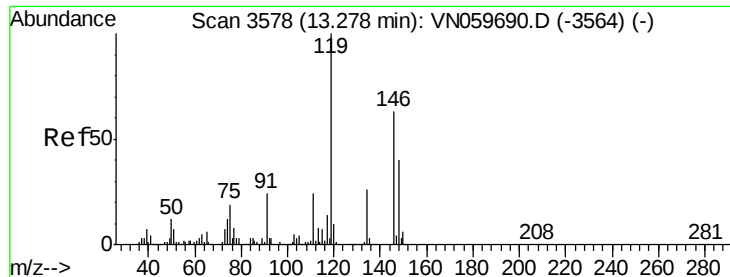
Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	153165		
134	26.1	12.9	38.7	
91	23.2	12.4	37.4	





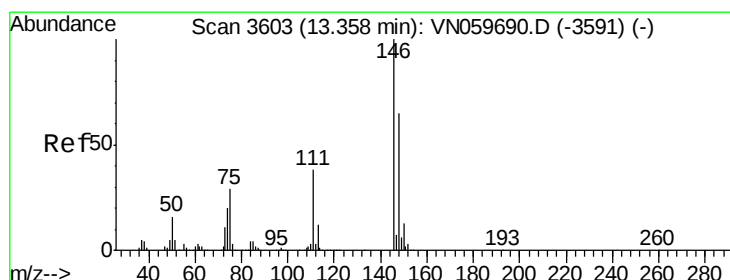
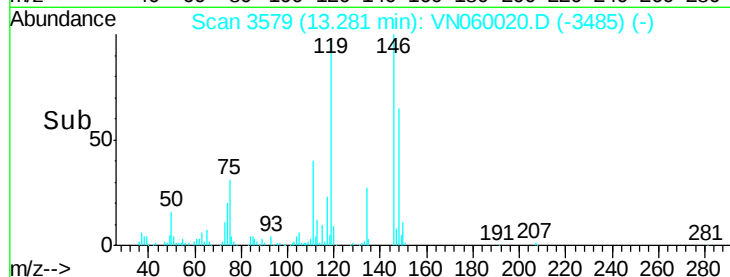
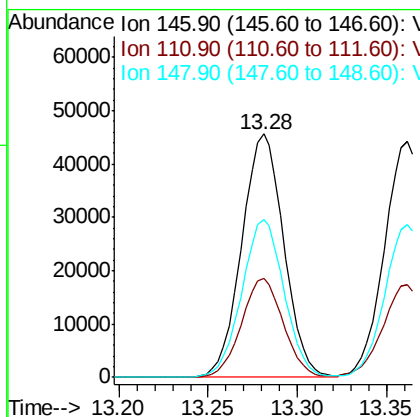
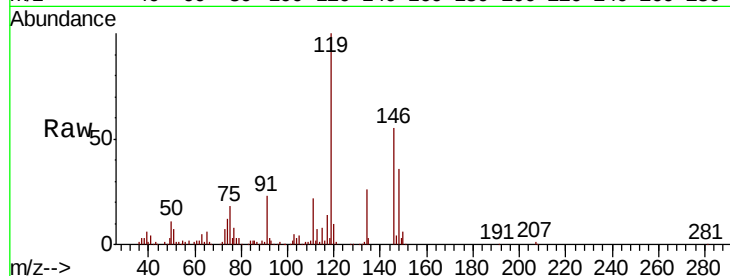
#87
 1,3-Dichlorobenzene
 Concen: 20.146 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	65.1	32.0	96.0

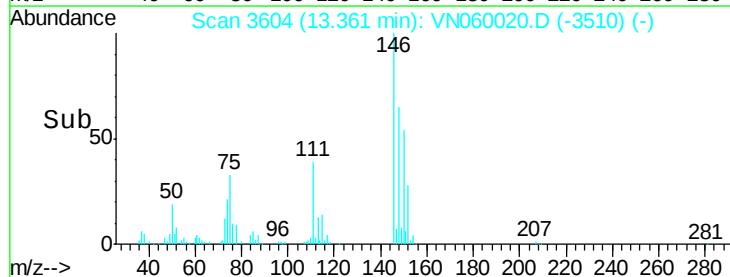
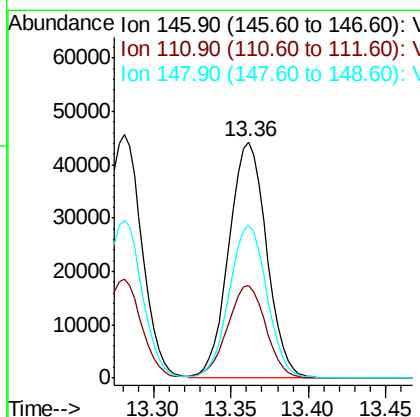
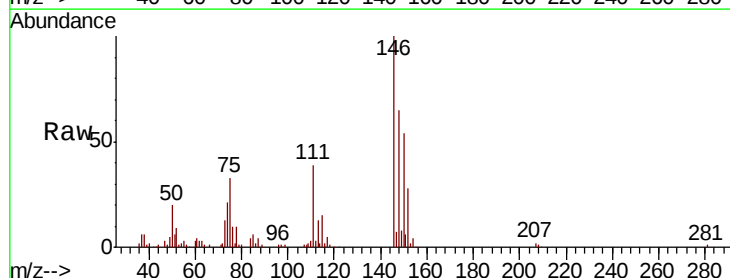
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 20.081 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.8	31.8	95.4





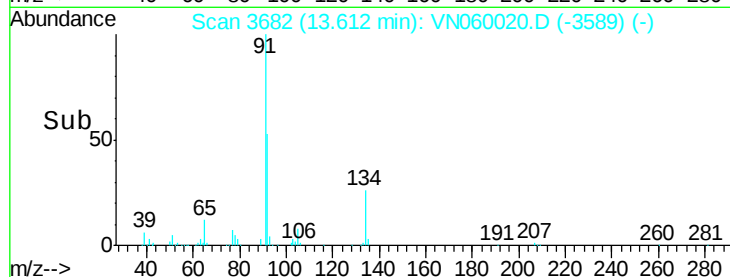
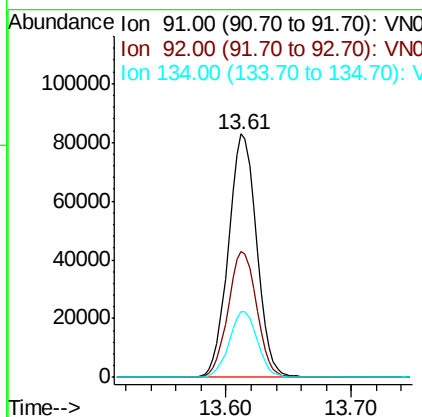
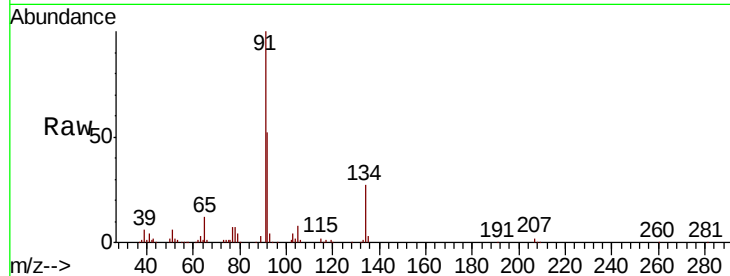
#89
n-Butylbenzene
Concen: 20.183 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.4	25.9	77.7	
134	27.0	12.3	36.8	

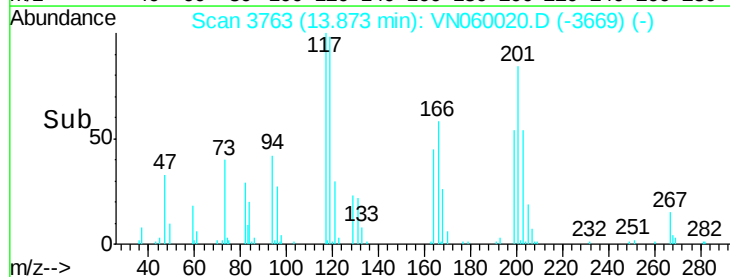
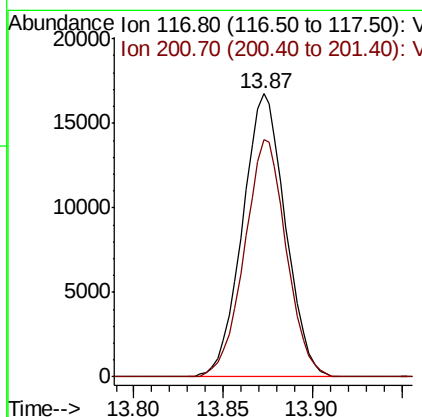
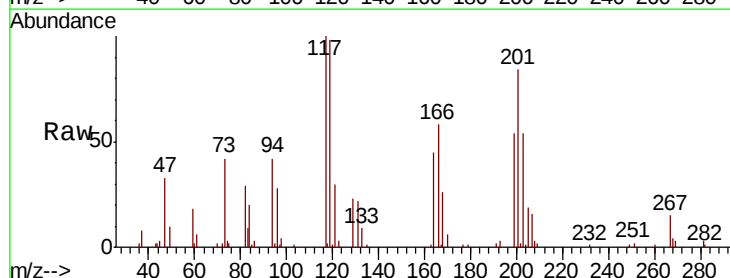
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#90
Hexachloroethane
Concen: 19.975 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	81.9	37.8	113.4	





#91

1,2-Dichlorobenzene

Concen: 20.483 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Instrument :

MSVOA_N

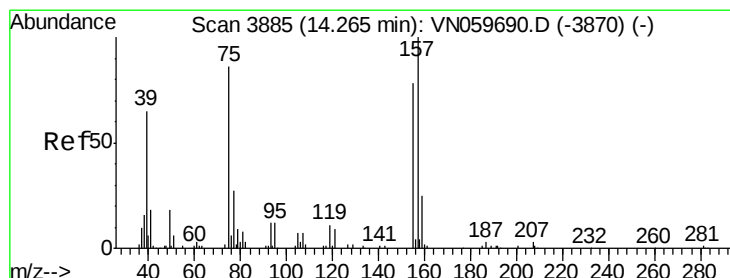
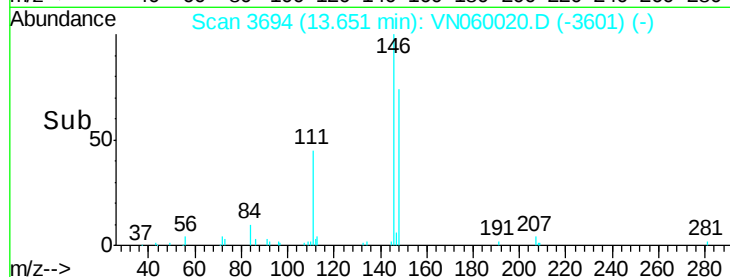
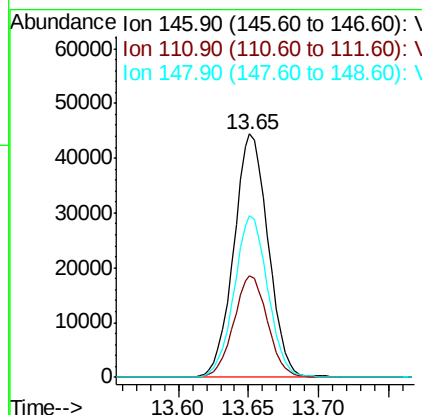
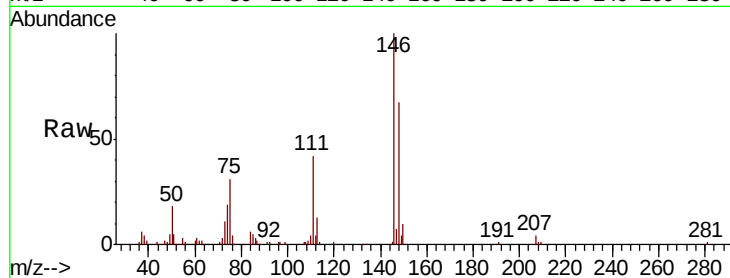
ClientSampleId :

VN0207WBSD01

Tot Ion:	146	Resp:	75827
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.6	64.8
148	65.0	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.111 ug/l

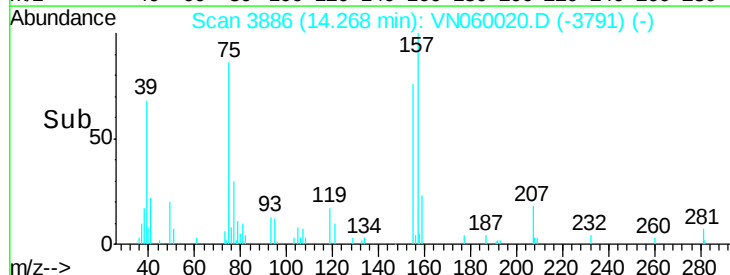
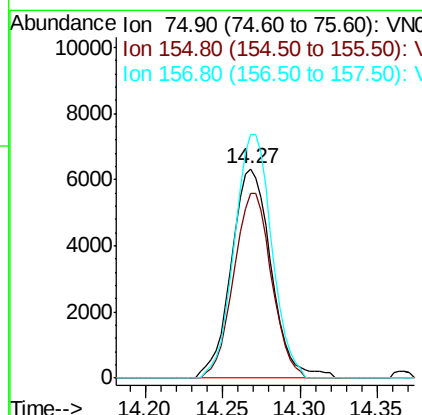
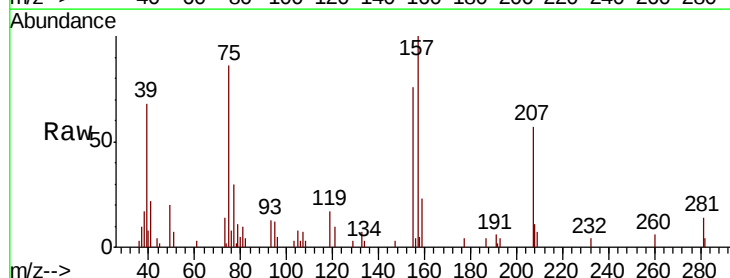
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060020.D

Acq: 7 Feb 2020 10:49

Tgt Ion:	75	Resp:	11314
Ion Ratio	Lower	Upper	
75	100		
155	83.6	37.0	110.9
157	109.3	48.4	145.2





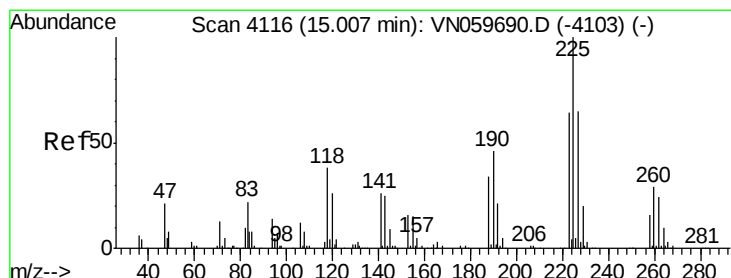
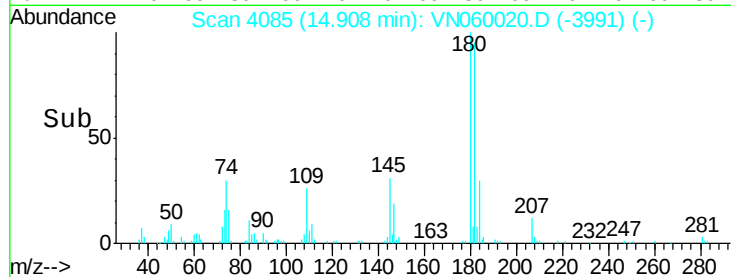
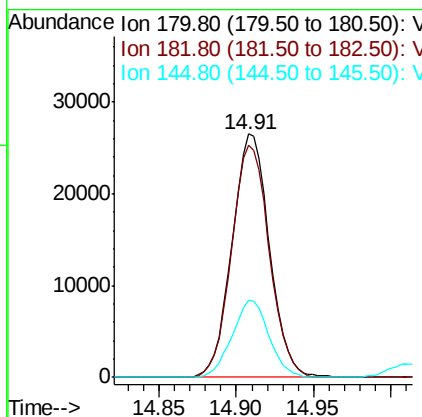
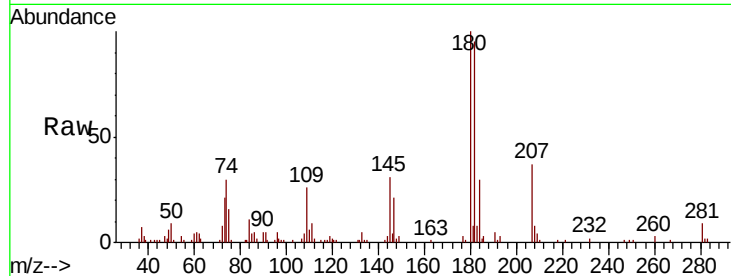
#93
 1,2,4-Trichlorobenzene
 Concen: 20.024 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.7
145	30.9	15.0	45.1

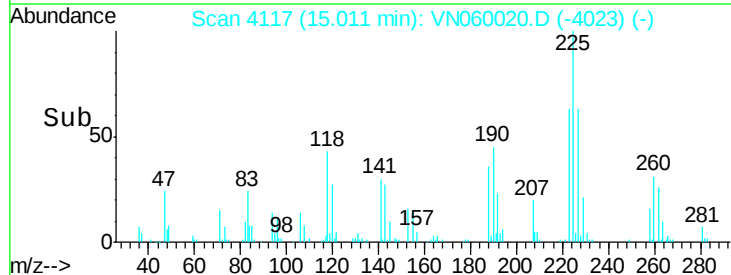
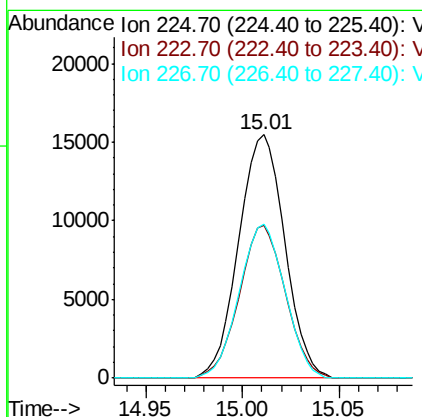
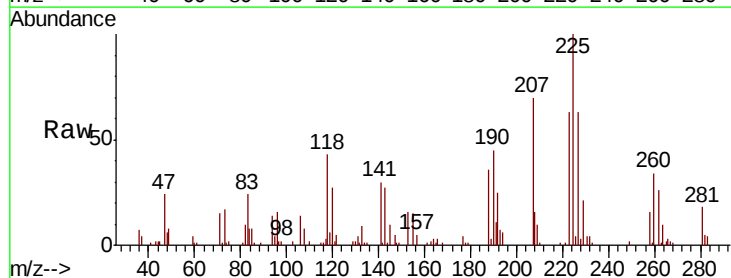
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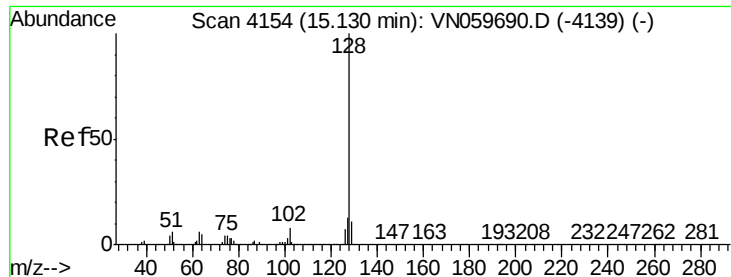
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#94
 Hexachlorobutadiene
 Concen: 20.954 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060020.D
 Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.3
227	62.8	32.1	96.5





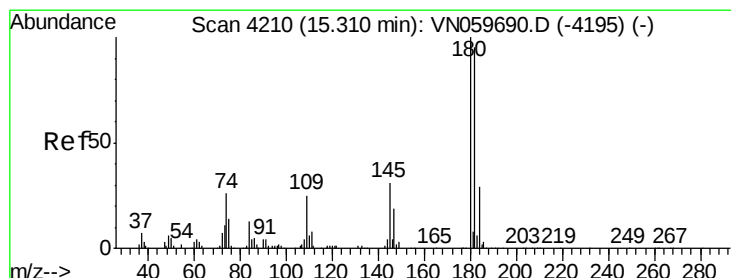
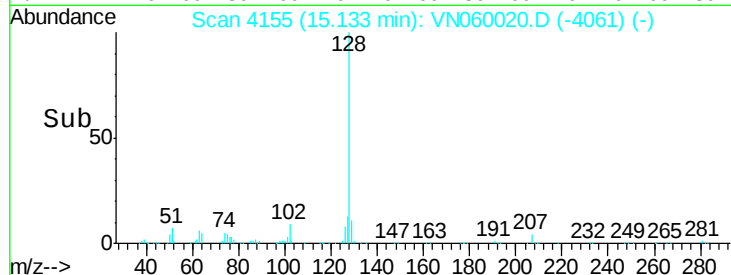
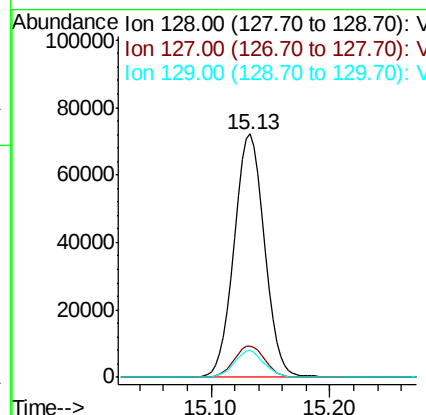
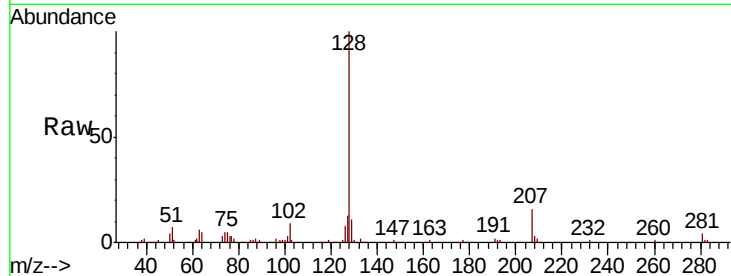
#95
Naphthalene
Concen: 20.214 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 21.015 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060020.D
Acq: 7 Feb 2020 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.3
145	33.3	16.3	48.9

