

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090920\
 Data File : VN063286.D
 Acq On : 9 Sep 2020 16:40
 Operator : JC/MD
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 4:04:30 PM

Quant Time: Sep 10 04:33:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	457079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	829702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	752132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	332640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	351058	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	7.55	113	255166	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.06	98	980124	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.38	95	365542	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	75677	16.812	ug/l	97
3) Chloromethane	2.04	50	107224	16.358	ug/l	98
4) Vinyl Chloride	2.17	62	110343	15.240	ug/l	100
5) Bromomethane	2.54	94	68972	11.316	ug/l	96
6) Chloroethane	2.68	64	72345	12.567	ug/l	99
7) Trichlorofluoromethane	2.99	101	165362	13.756	ug/l	94
8) Diethyl Ether	3.38	74	63757	18.404	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	89603	18.206	ug/l	96
10) Methyl Iodide	3.91	142	114644	17.080	ug/l	99
11) Tert butyl alcohol	4.72	59	86252	94.041	ug/l	100
12) 1,1-Dichloroethene	3.70	96	88655	17.679	ug/l	98
13) Acrolein	3.57	56	17515	62.765	ug/l	96
14) Allyl chloride	4.28	41	173172	19.443	ug/l	96
15) Acrylonitrile	4.93	53	234582	92.835	ug/l	99
16) Acetone	3.78	43	205461	96.731	ug/l	99
17) Carbon Disulfide	4.01	76	231873	15.534	ug/l	99
18) Methyl Acetate	4.28	43	124661	22.890	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	326756	17.564	ug/l	99
20) Methylene Chloride	4.51	84	108835	17.907	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	96456	17.409	ug/l	97
22) Diisopropyl ether	5.90	45	370657	18.571	ug/l	97
23) Vinyl Acetate	5.84	43	1488429	93.463	ug/l	96
24) 1,1-Dichloroethane	5.80	63	197903	17.987	ug/l	99
25) 2-Butanone	6.78	43	327013	99.430	ug/l	96
26) 2,2-Dichloropropane	6.78	77	163429	16.394	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	114760	17.041	ug/l	97
28) Bromochloromethane	7.15	49	111469	19.391	ug/l	100
29) Tetrahydrofuran	7.17	42	223170	98.135	ug/l	96
30) Chloroform	7.33	83	198551	17.248	ug/l	99
31) Cyclohexane	7.61	56	177101	17.112	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	172855	17.426	ug/l	99
36) 1,1-Dichloropropene	7.75	75	142907	17.916	ug/l	99
37) Ethyl Acetate	6.88	43	143365	19.270	ug/l #	94
38) Carbon Tetrachloride	7.74	117	145920	18.039	ug/l	97

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Manual Integrations
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MMDadoda
 9/10/2020 4:04:30 PM

Quant Time: Sep 10 04:33:16 2020
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	154359	17.226	ug/l	95
40) Benzene	8.01	78	429036	18.304	ug/l	100
41) Methacrylonitrile	7.14	41	66074m	19.663	ug/l	
42) 1,2-Dichloroethane	8.09	62	164700	18.811	ug/l	99
43) Isopropyl Acetate	8.13	43	253373	19.478	ug/l	98
44) Trichloroethene	8.80	130	111955	19.692	ug/l	94
45) 1,2-Dichloropropane	9.09	63	117236	18.891	ug/l	100
46) Dibromomethane	9.17	93	76612	18.628	ug/l	99
47) Bromodichloromethane	9.37	83	162484	18.432	ug/l	99
48) Methyl methacrylate	9.17	41	121809	20.772	ug/l	96
49) 1,4-Dioxane	9.17	88	34688	382.444	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	746577	105.616	ug/l	99
52) Toluene	10.13	92	267694	18.333	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	174239	18.070	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	188046	18.578	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	103519	18.512	ug/l	94
56) Ethyl methacrylate	10.40	69	162485	19.093	ug/l	97
57) 1,3-Dichloropropane	10.68	76	182248	18.295	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	431961	98.022	ug/l	96
59) 2-Hexanone	10.72	43	533106	107.312	ug/l	96
60) Dibromochloromethane	10.87	129	117034	18.931	ug/l	96
61) 1,2-Dibromoethane	10.98	107	106782	18.370	ug/l	97
64) Tetrachloroethene	10.60	164	113540	21.022	ug/l	97
65) Chlorobenzene	11.41	112	284735	18.796	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	103335	18.372	ug/l	98
67) Ethyl Benzene	11.49	91	517767	18.735	ug/l	99
68) m/p-Xylenes	11.59	106	375453	36.682	ug/l	98
69) o-Xylene	11.92	106	184734	18.683	ug/l	97
70) Styrene	11.94	104	303339	17.851	ug/l	97
71) Bromoform	12.10	173	71748	18.797	ug/l #	97
73) Isopropylbenzene	12.23	105	491368	19.259	ug/l	100
74) N-amyl acetate	12.04	43	215746	20.415	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	138893	18.883	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	129976m	19.887	ug/l	
77) Bromobenzene	12.50	156	111497	19.323	ug/l	99
78) n-propylbenzene	12.57	91	565653	19.160	ug/l	99
79) 2-Chlorotoluene	12.65	91	340499	19.256	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	412347	19.417	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	47920	17.721	ug/l	93
82) 4-Chlorotoluene	12.75	91	352432	19.218	ug/l	99
83) tert-Butylbenzene	12.97	119	341474	18.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	408345	19.077	ug/l	100
85) sec-Butylbenzene	13.15	105	448837	18.909	ug/l	100
86) p-Isopropyltoluene	13.26	119	398880	18.928	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	200505	18.916	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	199808	18.205	ug/l	97
89) n-Butylbenzene	13.59	91	352862	18.125	ug/l	99
90) Hexachloroethane	13.85	117	65954	16.907	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	201035	19.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30923	19.122	ug/l	97

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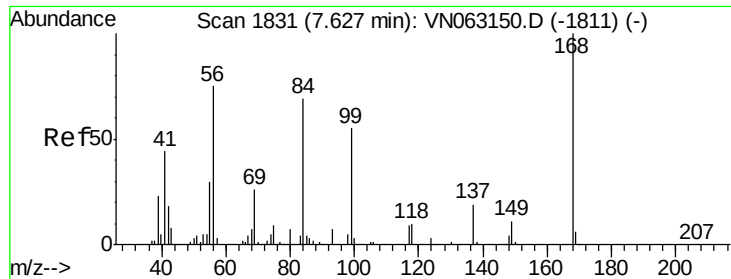
Manual Integrations
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Quant Time: Sep 10 04:33:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	106794	18.583	ug/l	99
94) Hexachlorobutadiene	14.98	225	41506	19.334	ug/l	97
95) Naphthalene	15.10	128	343891	17.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	103089	18.412	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion:168 Resp: 457079

Ion Ratio Lower Upper

168 100

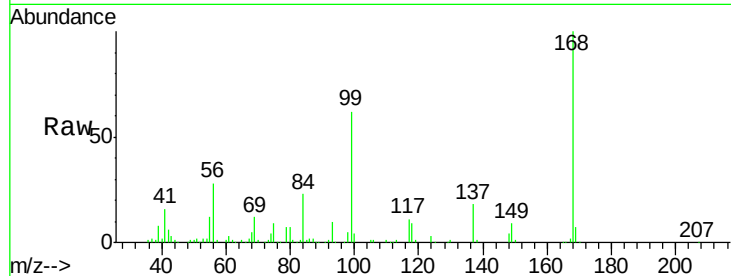
99 61.9 54.2 81.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

200000

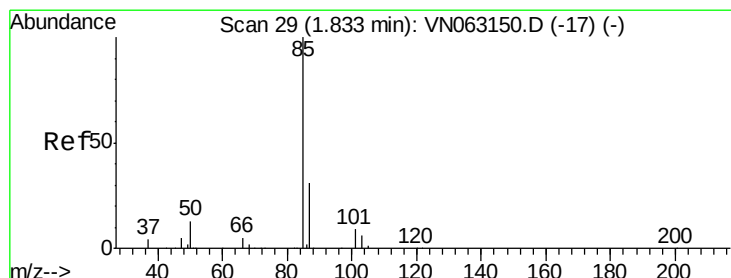
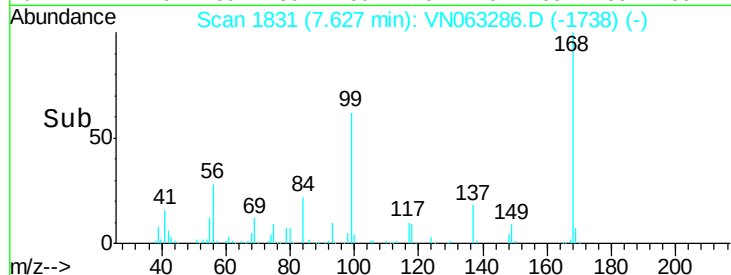
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.812 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063286.D

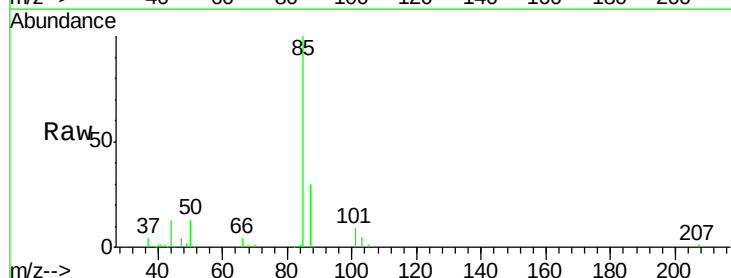
Acq: 9 Sep 2020 16:40

Tgt Ion: 85 Resp: 75677

Ion Ratio Lower Upper

85 100

87 29.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

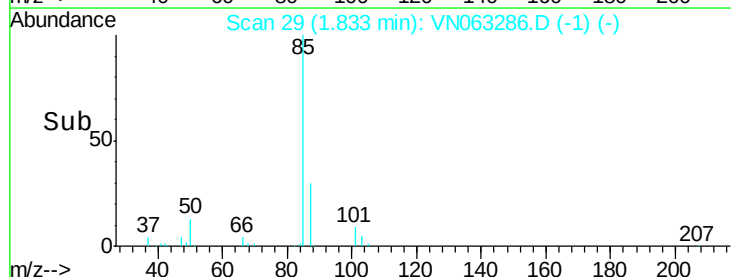
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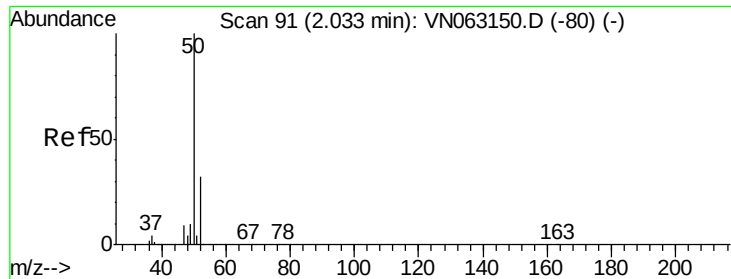
40000

20000

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Time-->





#3

Chloromethane

Concen: 16.358 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 50 Resp: 107224

Ion Ratio Lower Upper

50 100

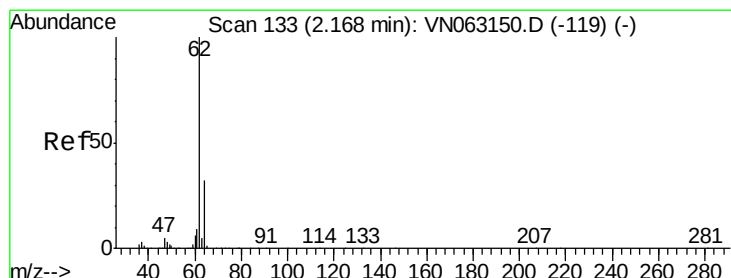
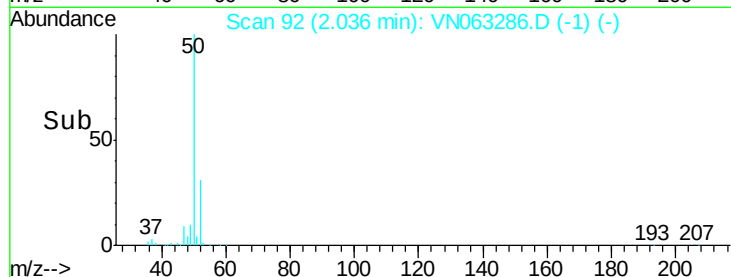
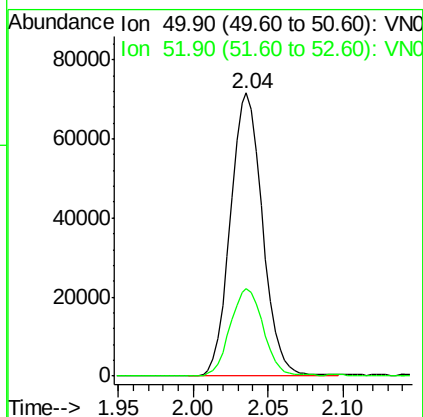
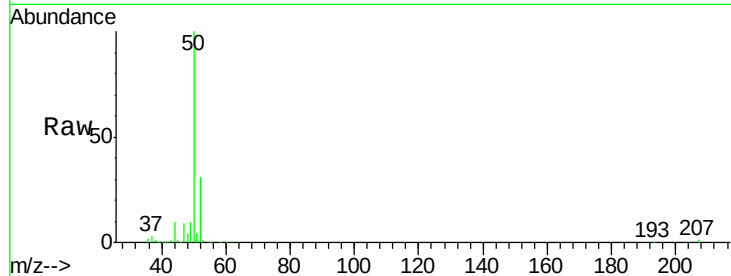
52 31.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.240 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063286.D

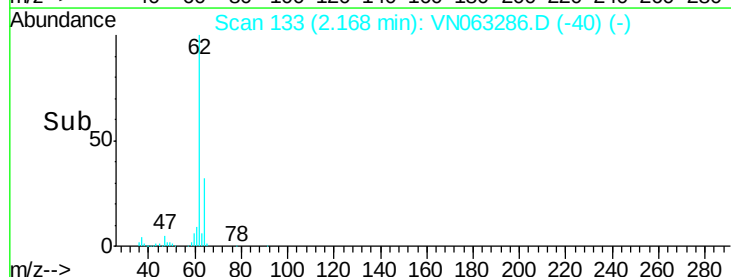
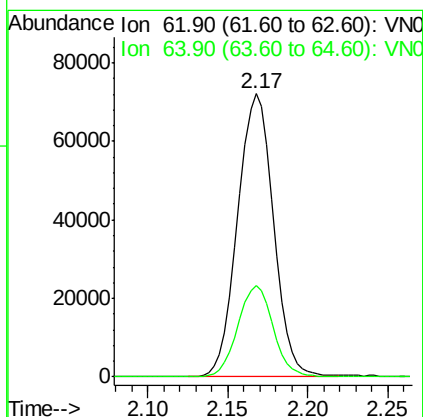
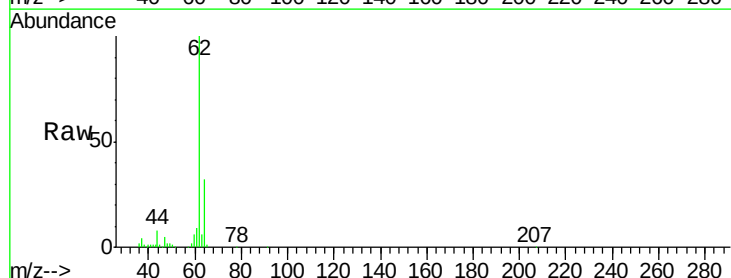
Acq: 9 Sep 2020 16:40

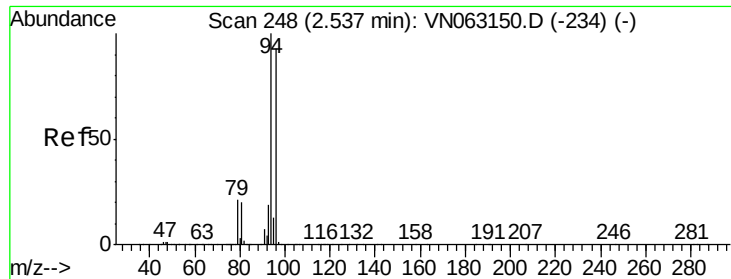
Tgt Ion: 62 Resp: 110343

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 11.316 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 94 Resp: 68972

Ion Ratio Lower Upper

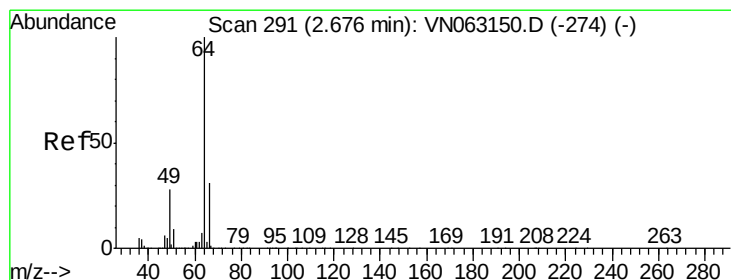
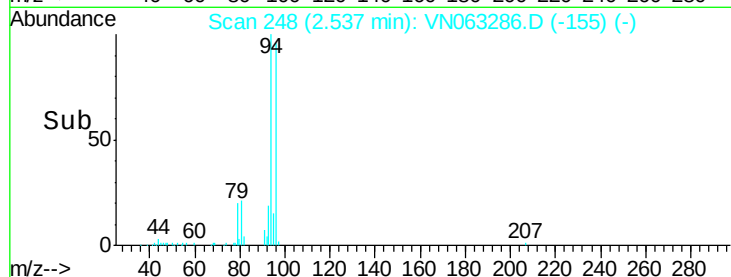
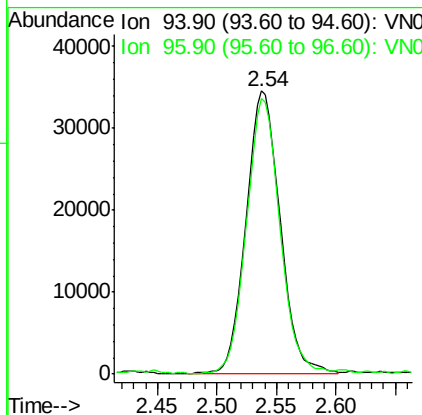
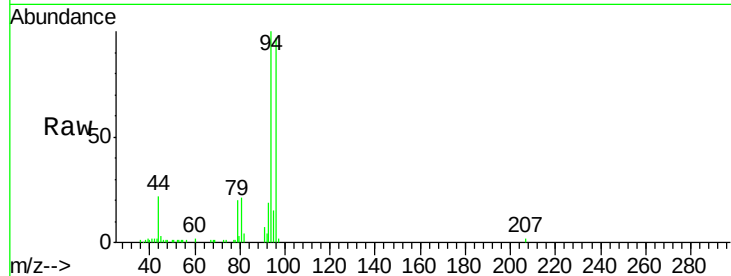
94 100

96 97.3 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 12.567 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063286.D

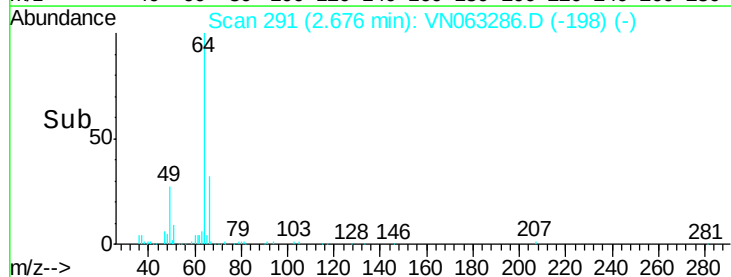
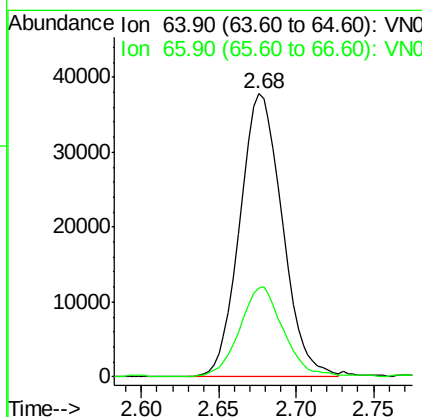
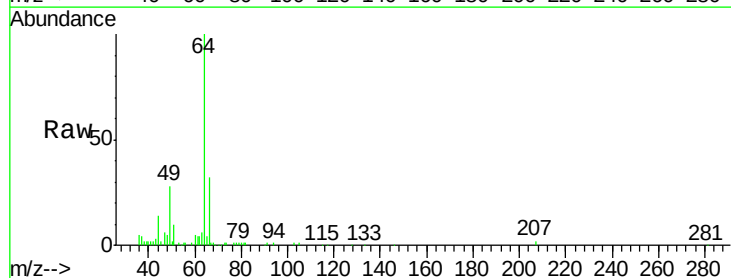
Acq: 9 Sep 2020 16:40

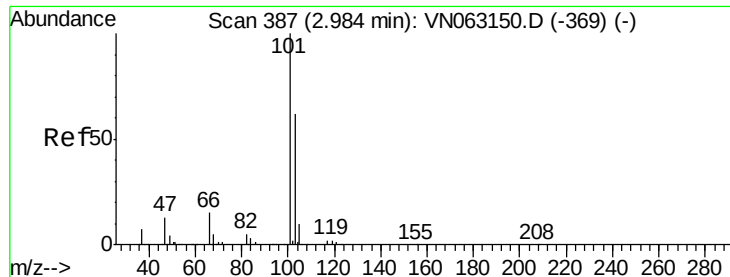
Tgt Ion: 64 Resp: 72345

Ion Ratio Lower Upper

64 100

66 31.5 24.7 37.1





#7

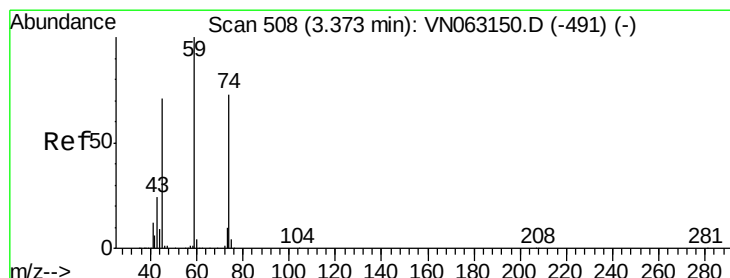
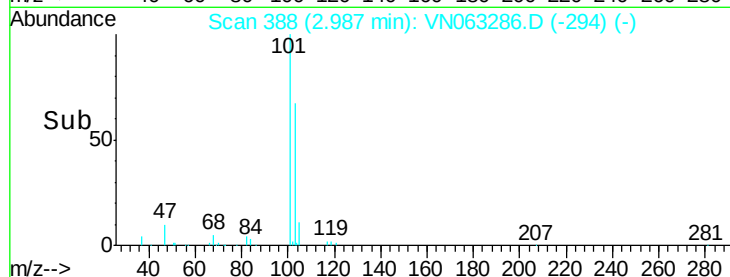
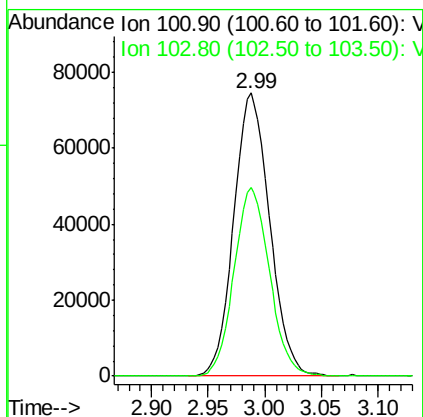
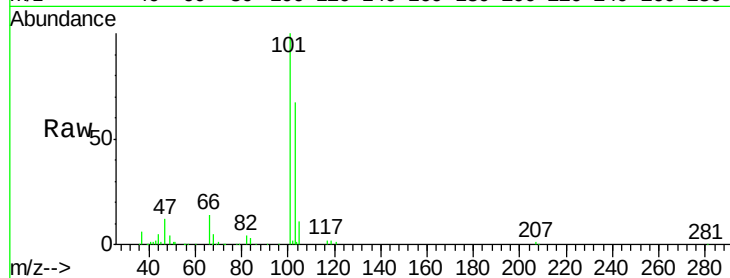
Trichlorofluoromethane
 Concen: 13.756 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	49.7	74.5

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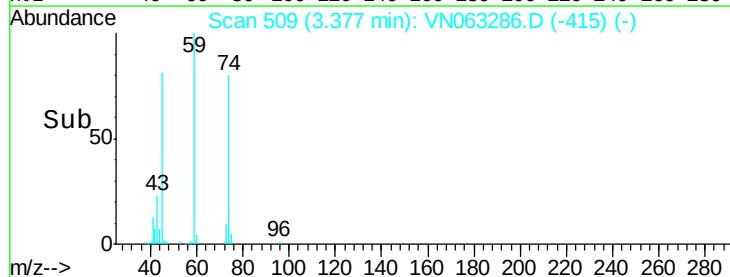
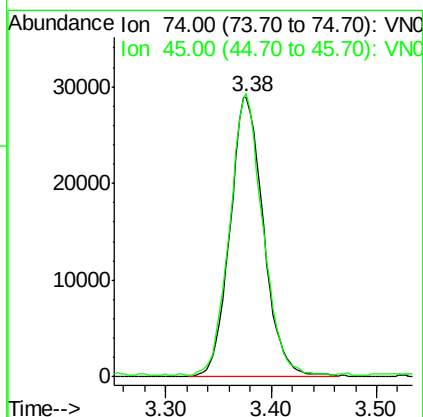
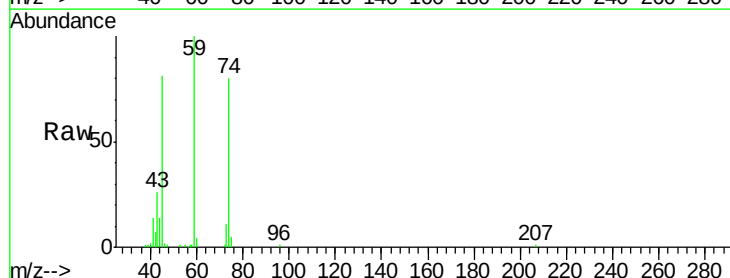
MMDadoda
 9/10/2020 4:04:30 PM

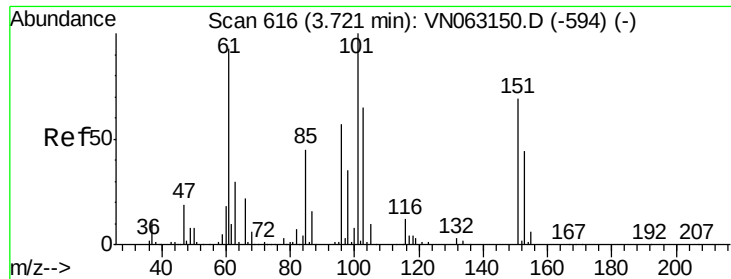


#8

Diethyl Ether
 Concen: 18.404 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.206 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

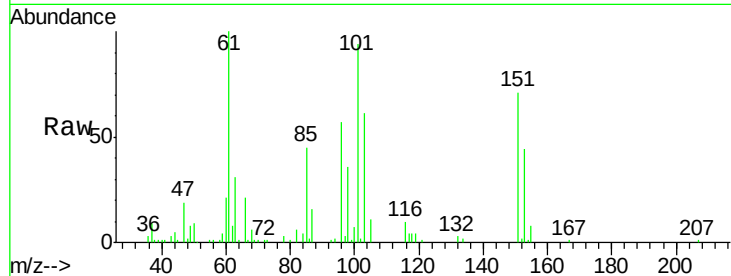
ClientSampled :

VN0909WBSD01

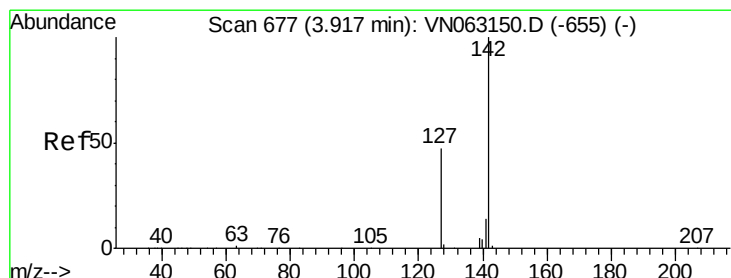
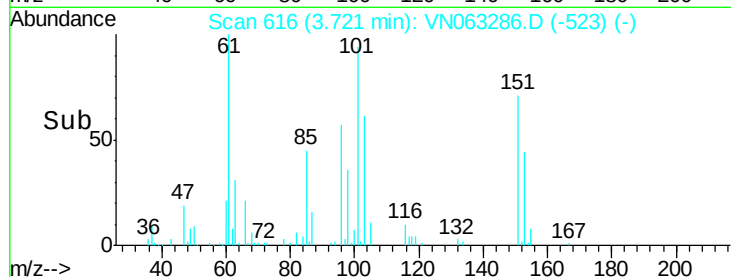
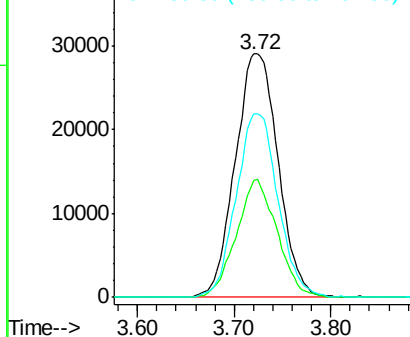
Tot Ion:	101	Resp:	89603
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.8	56.8
151	73.4	55.0	82.4

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



#10

Methyl Iodide

Concen: 17.080 ug/l

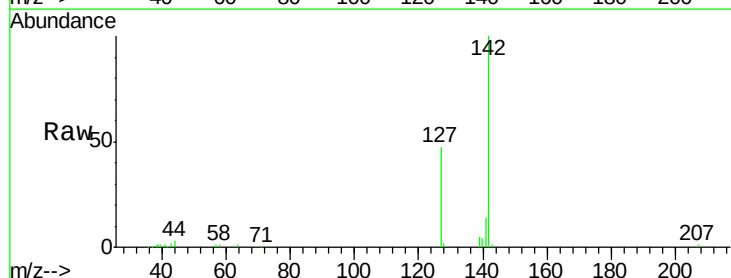
RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

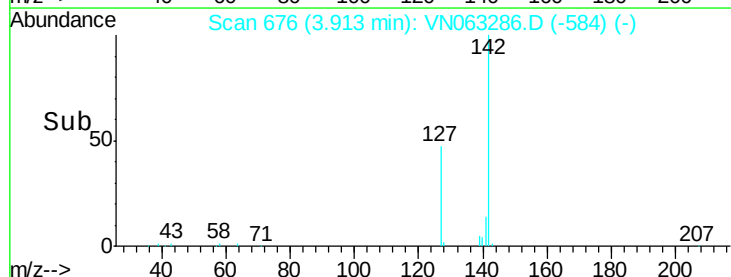
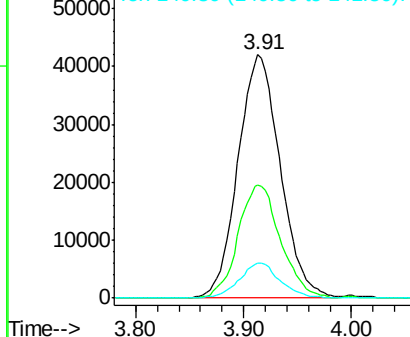
Lab File: VN063286.D

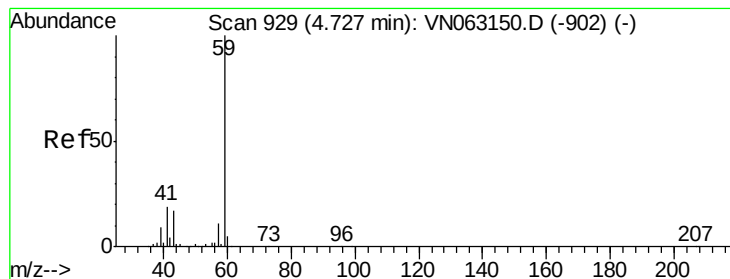
Acq: 9 Sep 2020 16:40

Tgt Ion:	142	Resp:	114644
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.6	56.4
141	13.7	11.3	16.9



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





#11

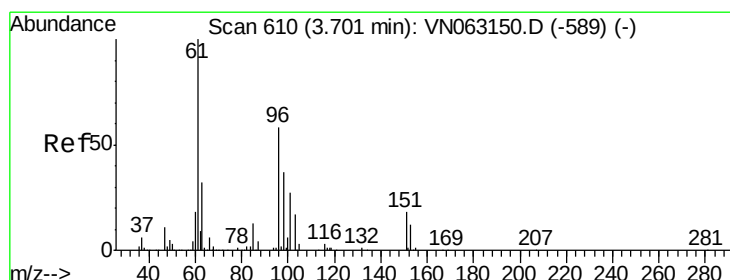
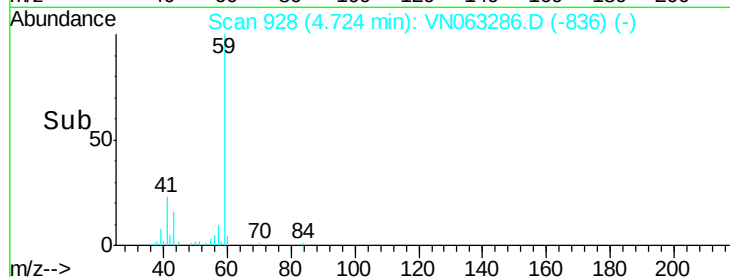
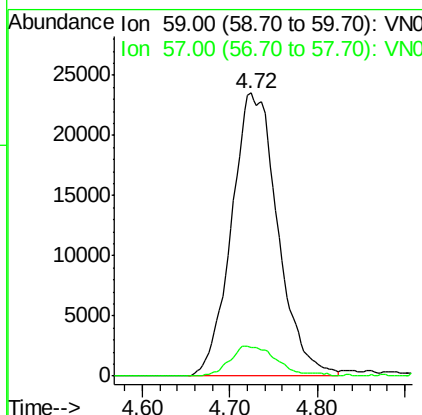
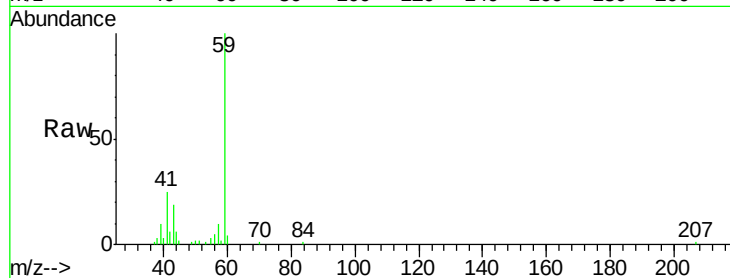
Tert butyl alcohol
 Concen: 94.041 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	86252		
57	10.6		8.4	12.6

Manual Integrations
 APPROVED

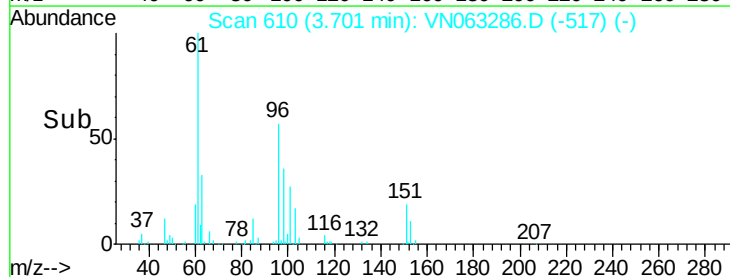
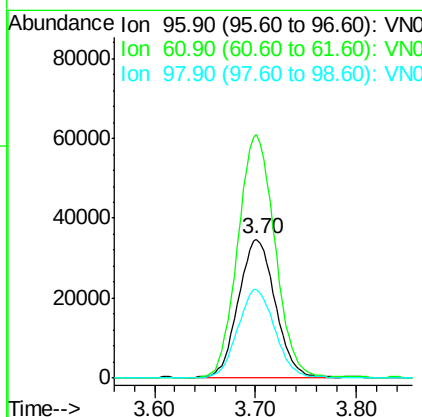
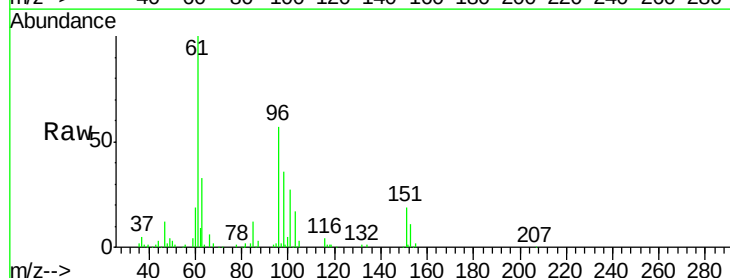
MMDadoda
 9/10/2020 4:04:30 PM

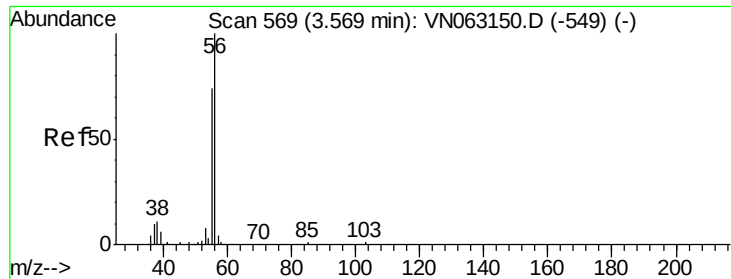


#12

1,1-Dichloroethene
 Concen: 17.679 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88655		
61	174.8		137.4	206.2
98	63.7		50.5	75.7





#13

Acrolein

Concen: 62.765 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 56 Resp: 17515

Ion Ratio Lower Upper

56 100

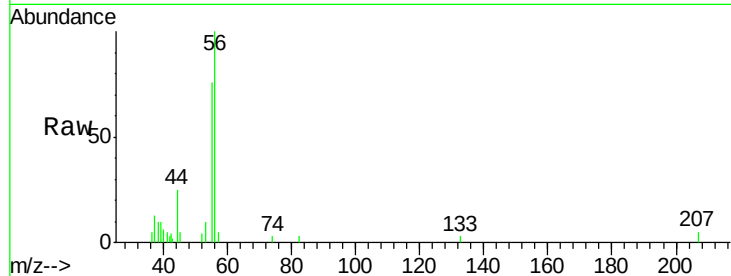
55 72.7 55.4 83.0

Manual Integrations

APPROVED

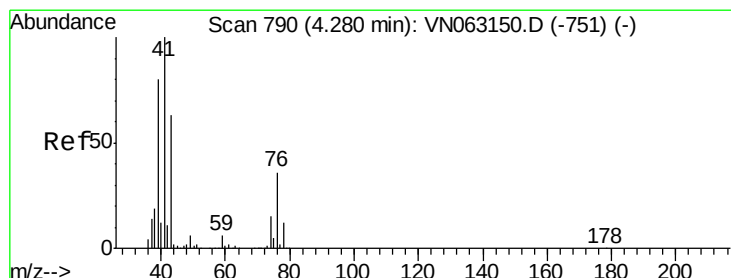
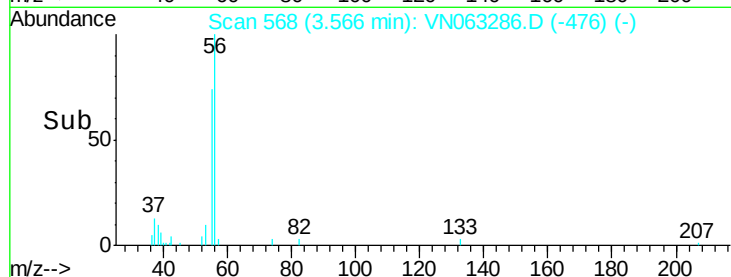
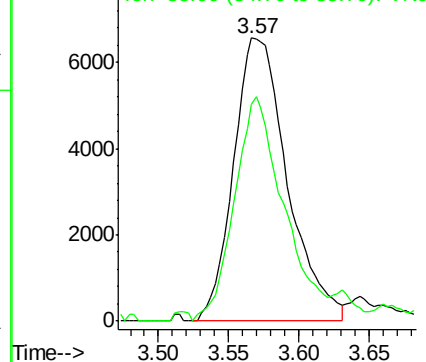
MMDadoda

9/10/2020 4:04:30 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.443 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

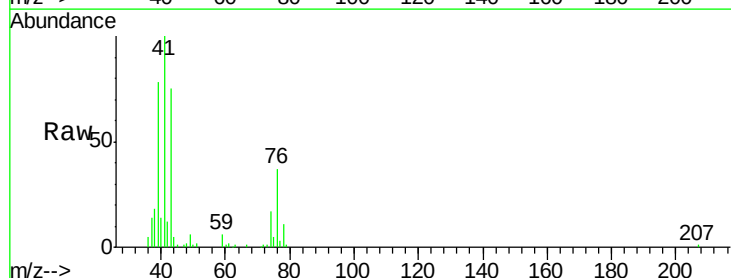
Tgt Ion: 41 Resp: 173172

Ion Ratio Lower Upper

41 100

39 72.5 60.2 90.2

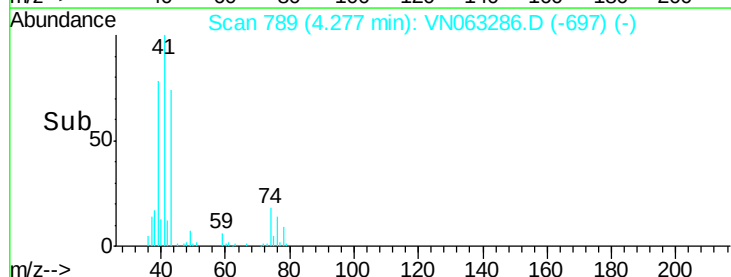
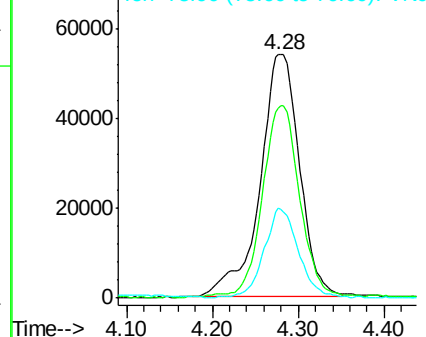
76 31.6 27.7 41.5

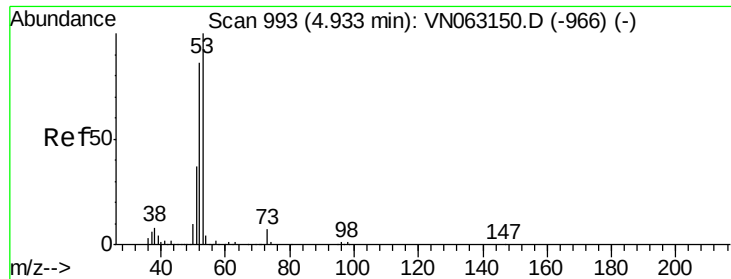


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.835 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

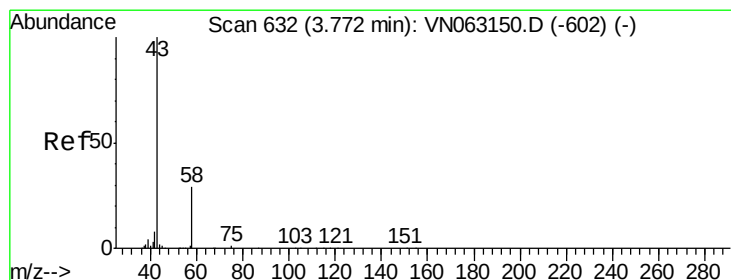
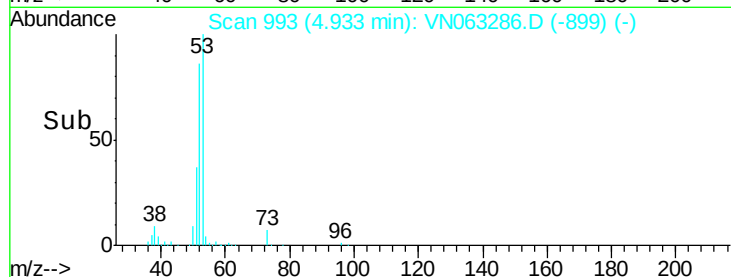
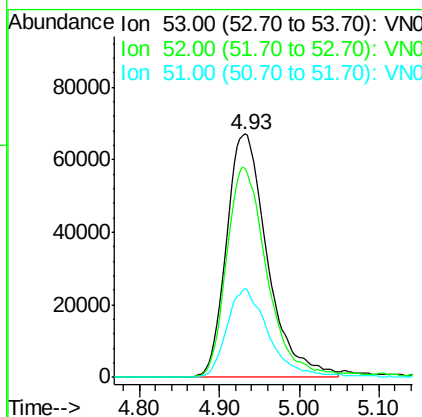
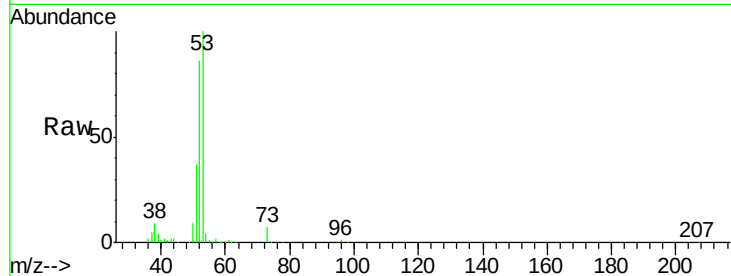
ClientSampleId :

VN0909WBSD01

Tot Ion:	53	Resp:	234582
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.2	100.8
51	37.1	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 96.731 ug/l

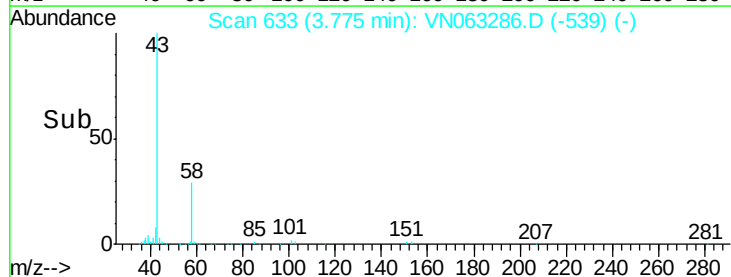
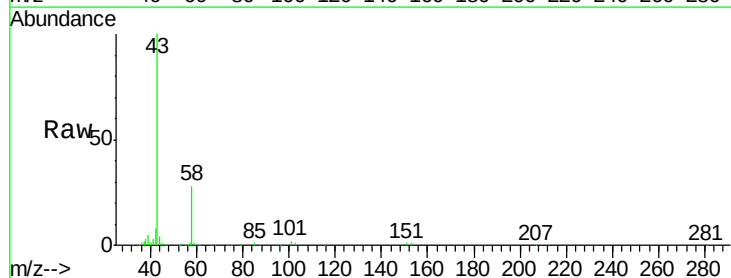
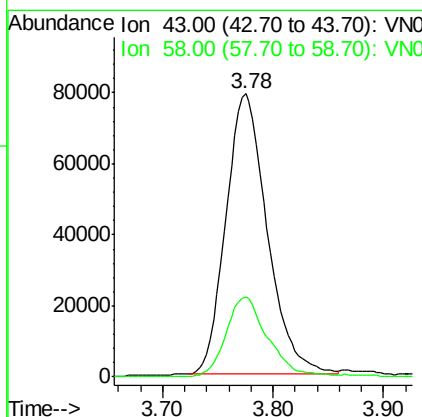
RT: 3.78 min Scan# 633

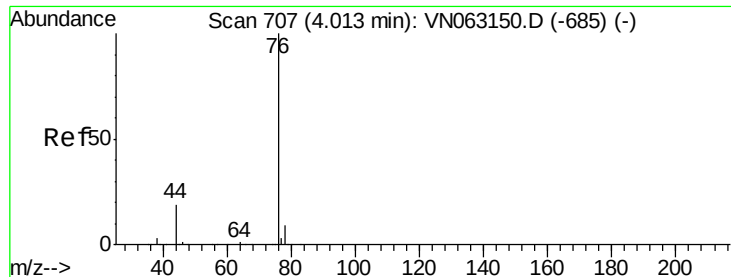
Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	43	Resp:	205461
Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.1	34.7





#17

Carbon Disulfide

Concen: 15.534 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 76 Resp: 231873

Ion Ratio Lower Upper

76 100

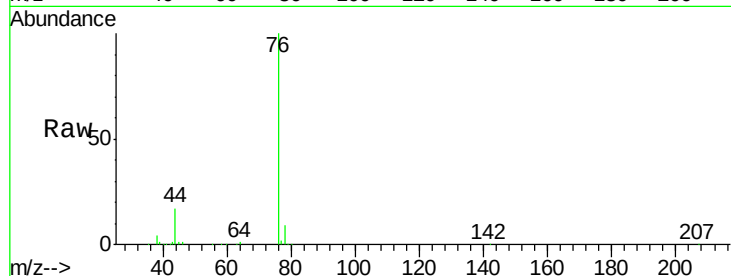
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

80000

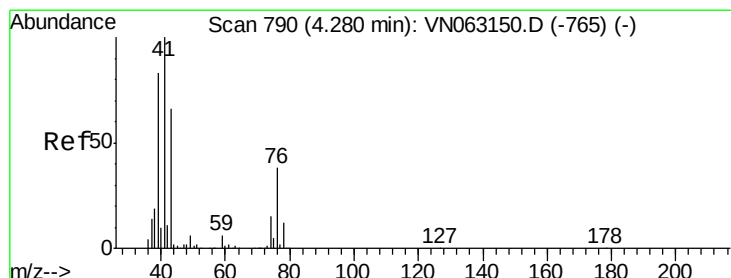
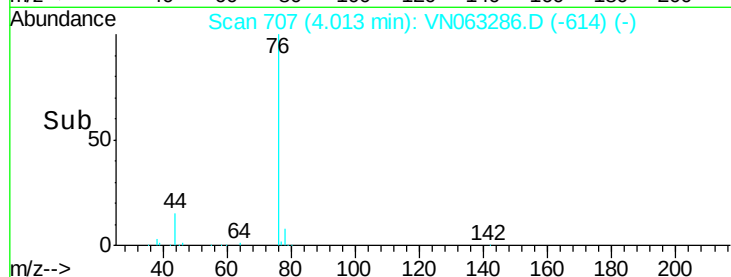
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.890 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN063286.D

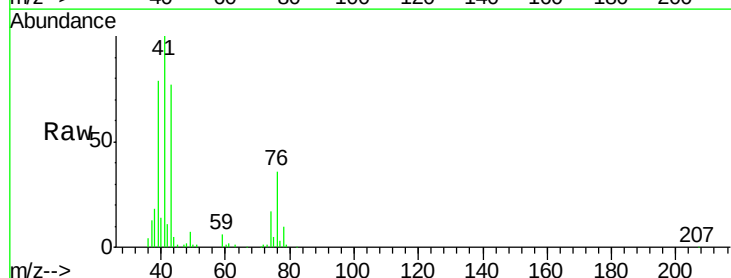
Acq: 9 Sep 2020 16:40

Tgt Ion: 43 Resp: 124661

Ion Ratio Lower Upper

43 100

74 20.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

50000

40000

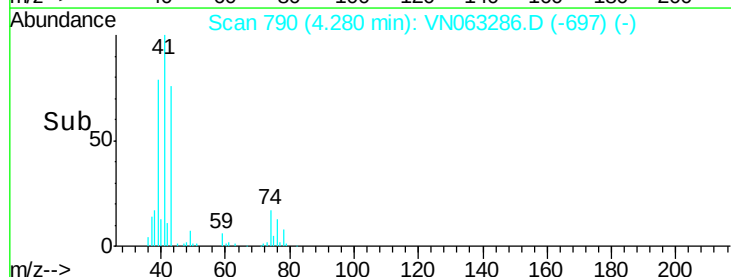
30000

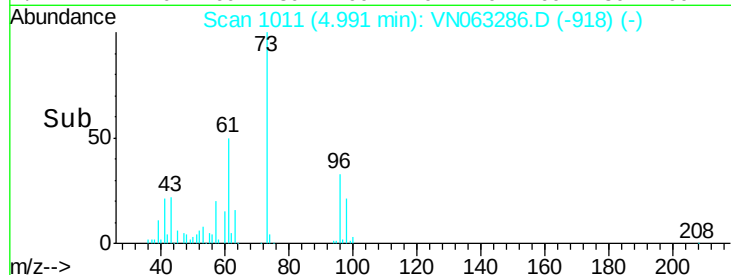
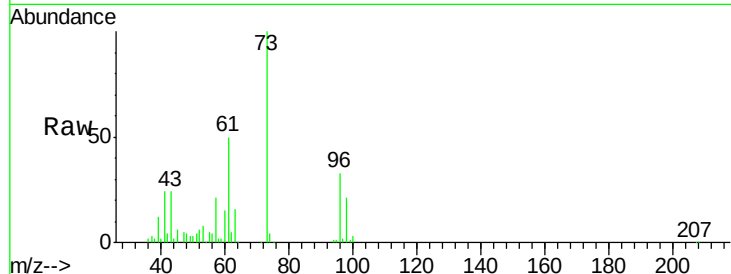
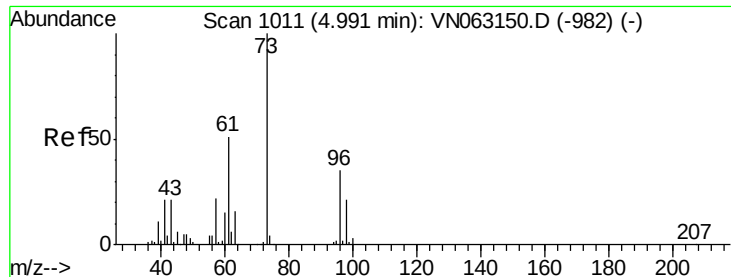
20000

10000

0

Time-->





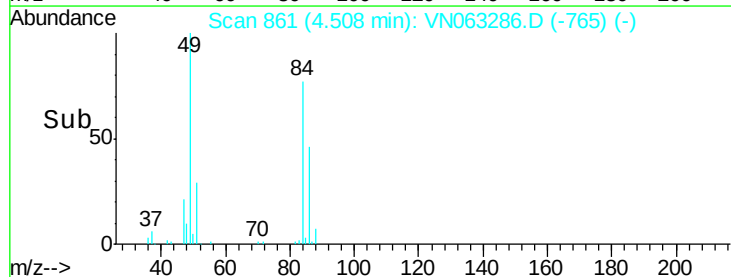
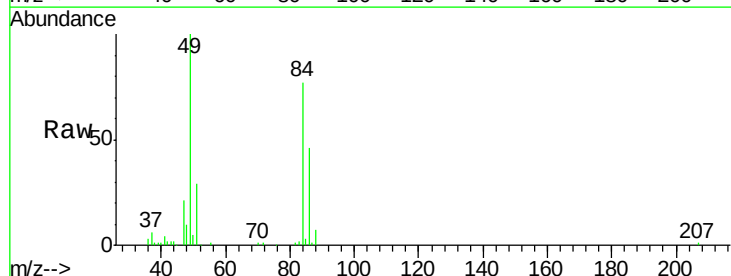
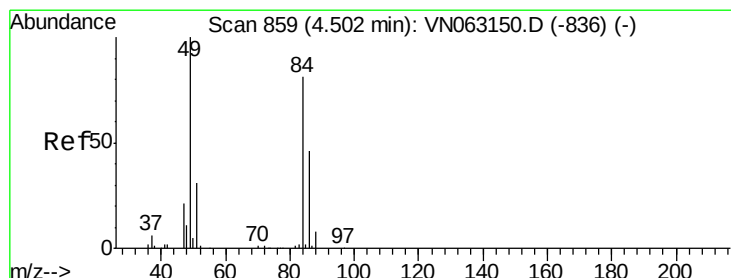
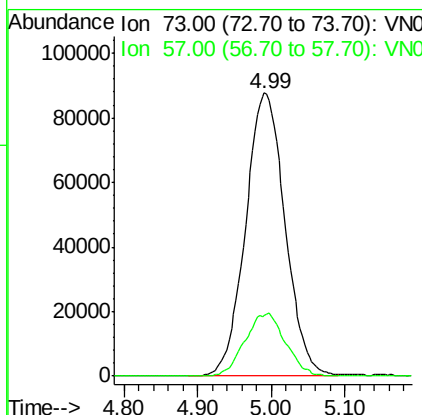
#19
Methyl tert-butyl Ether
Concen: 17.564 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tot Ion: 73 Resp: 326756
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

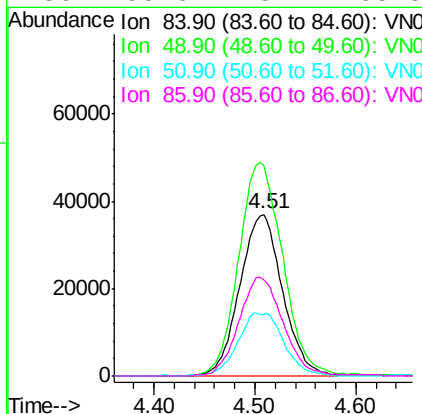
Manual Integrations
APPROVED

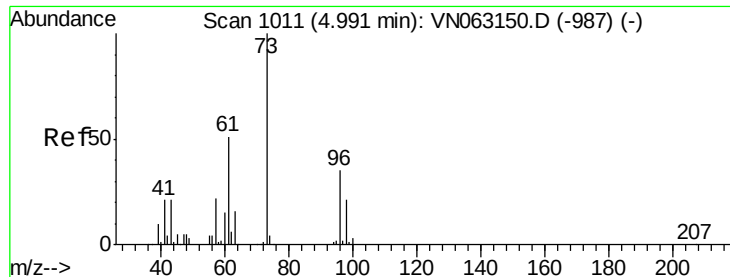
MMDadoda
9/10/2020 4:04:30 PM



#20
Methylene Chloride
Concen: 17.907 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion: 84 Resp: 108835
Ion Ratio Lower Upper
84 100
49 130.2 98.4 147.6
51 38.4 30.4 45.6
86 59.6 45.7 68.5





#21

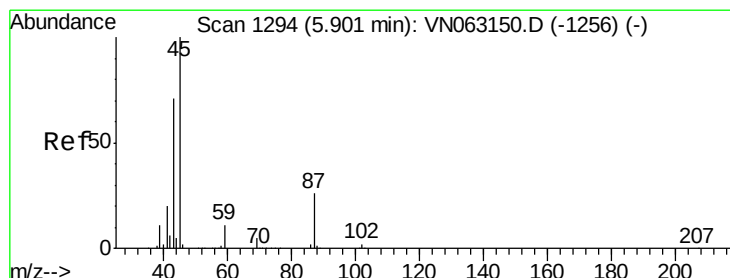
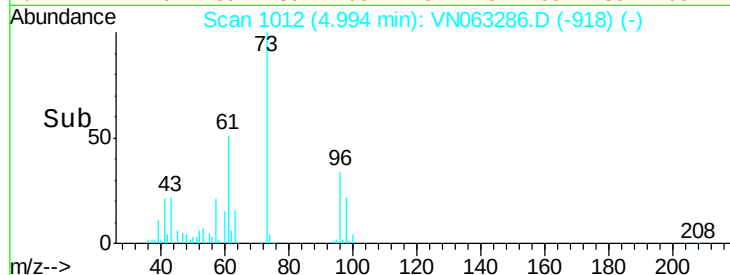
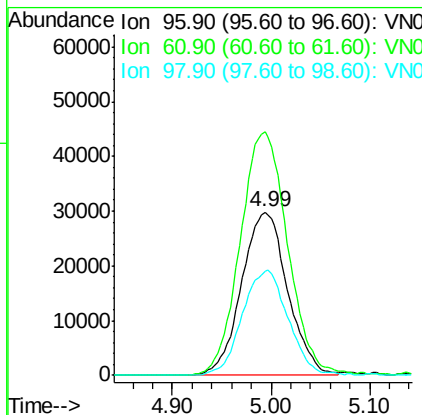
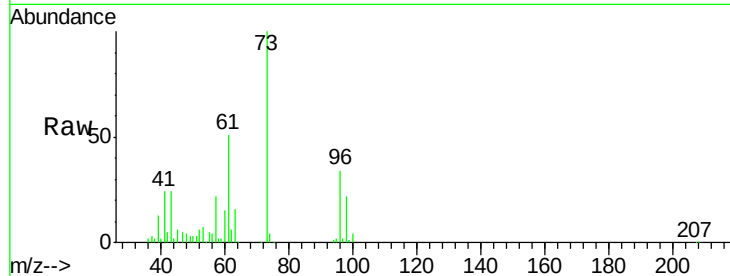
trans-1,2-Dichloroethene
Concen: 17.409 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	116.2	174.4
98	63.8	48.0	72.0

Manual Integrations
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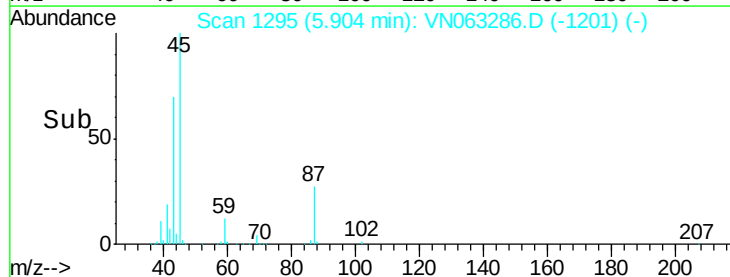
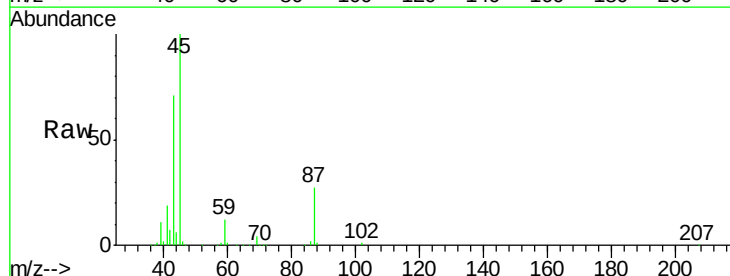
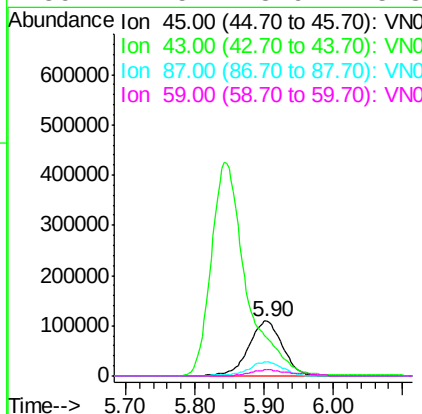
MMDadoda
9/10/2020 4:04:30 PM

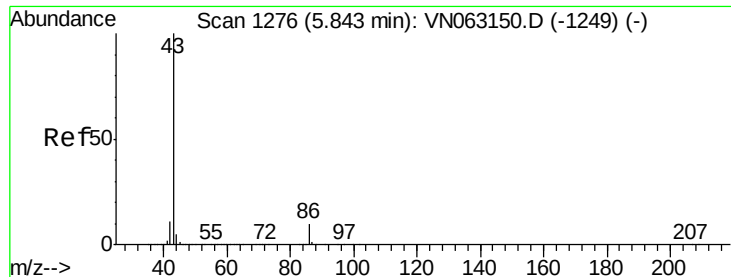


#22

Diisopropyl ether
Concen: 18.571 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	56.8	85.2
87	26.5	21.1	31.7
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 93.463 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 43 Resp: 1488429

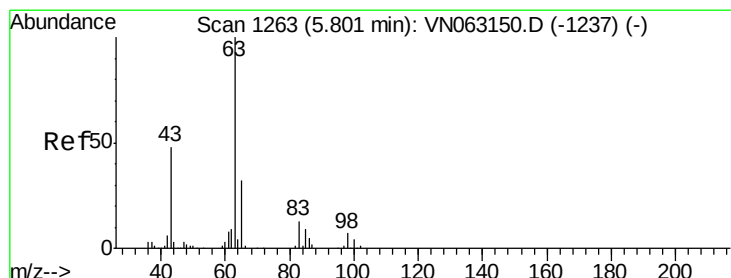
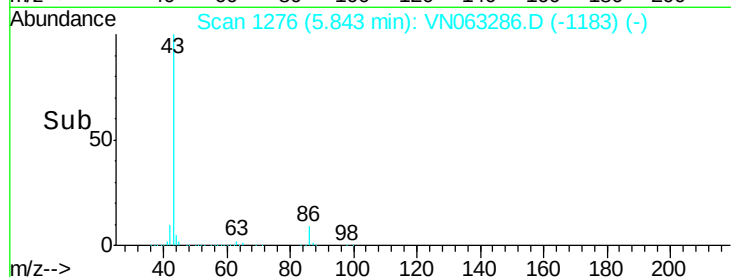
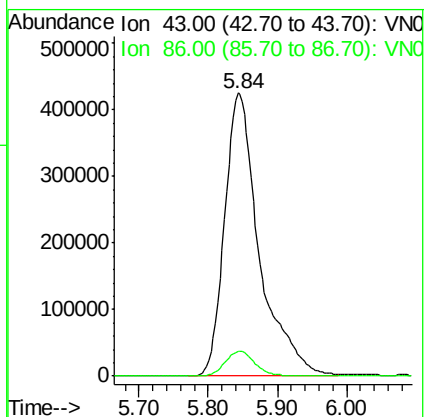
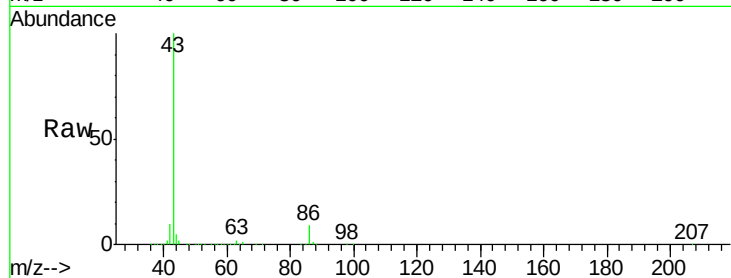
Ion Ratio Lower Upper

43 100

86 8.9 8.3 12.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 17.987 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

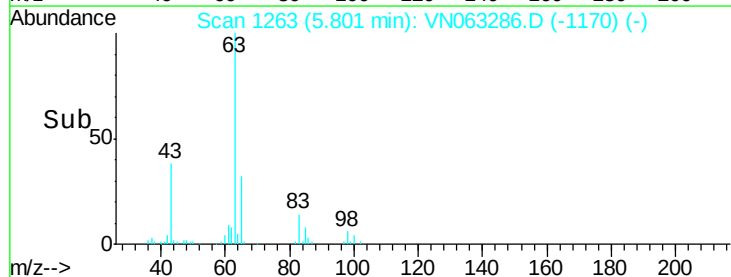
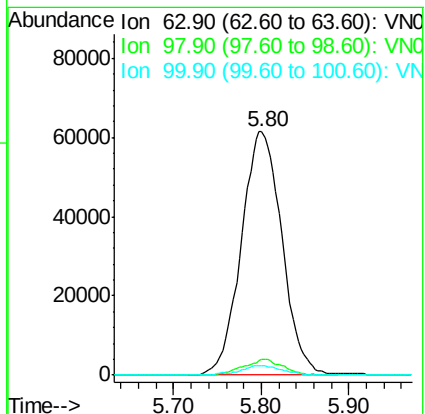
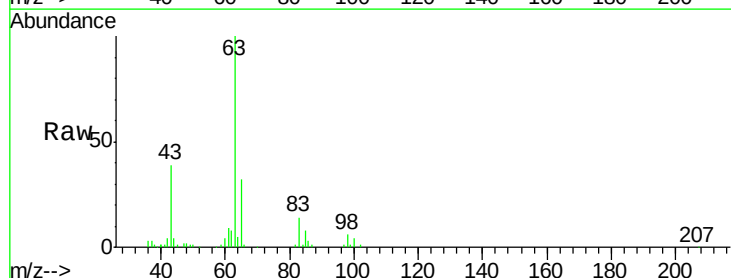
Tgt Ion: 63 Resp: 197903

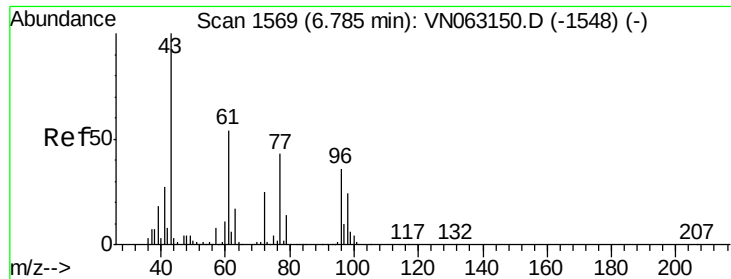
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.0 2.3 6.8





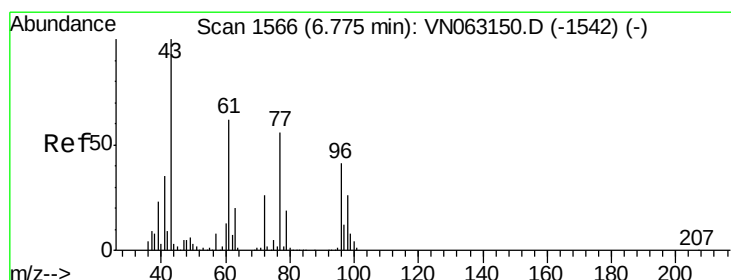
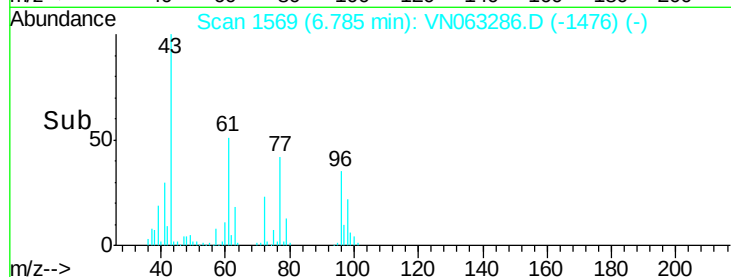
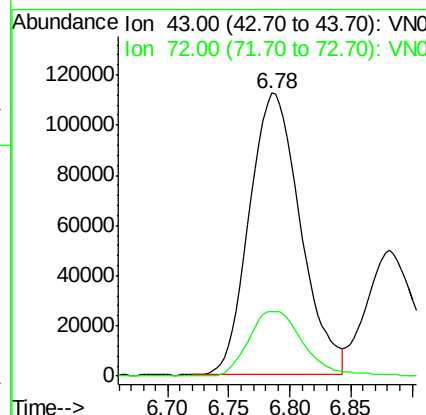
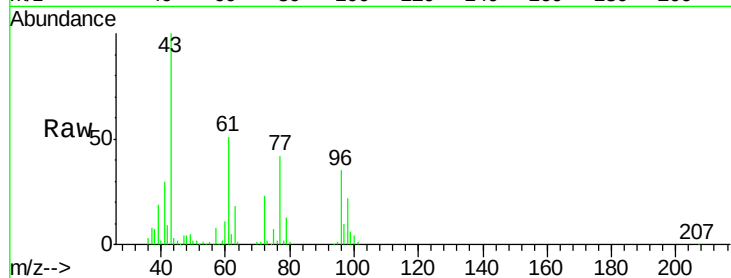
#25
 2-Butanone
 Concen: 99.430 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion: 43 Resp: 327013
 Ion Ratio Lower Upper
 43 100
 72 23.1 20.2 30.4

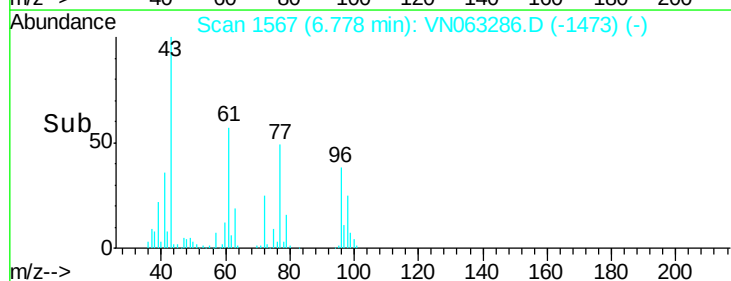
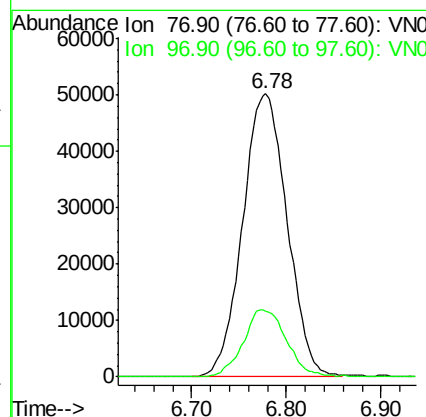
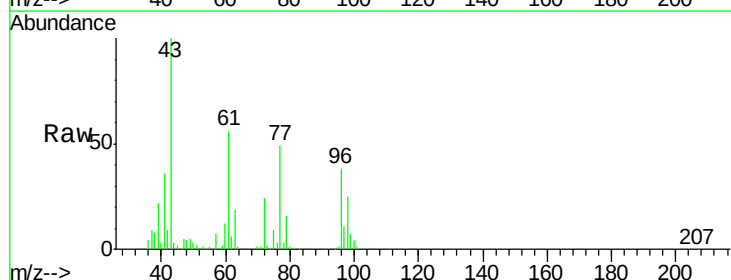
Manual Integrations
 APPROVED

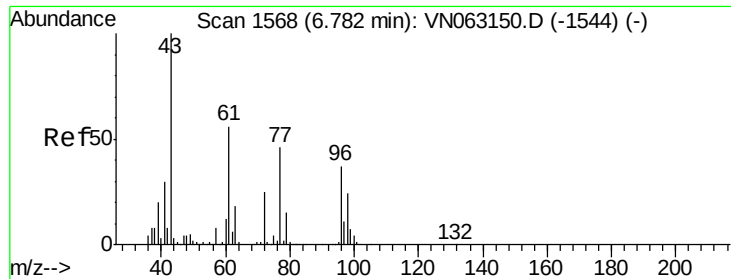
MMDadoda
 9/10/2020 4:04:30 PM



#26
 2,2-Dichloropropane
 Concen: 16.394 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion: 77 Resp: 163429
 Ion Ratio Lower Upper
 77 100
 97 23.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.041 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

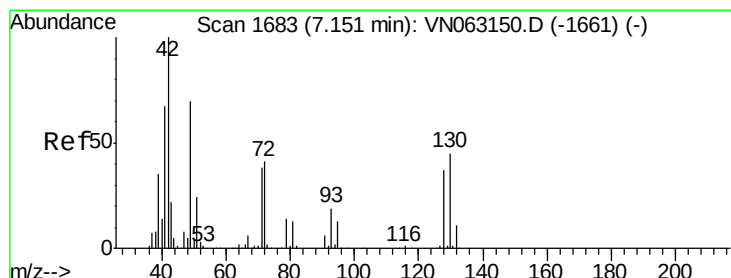
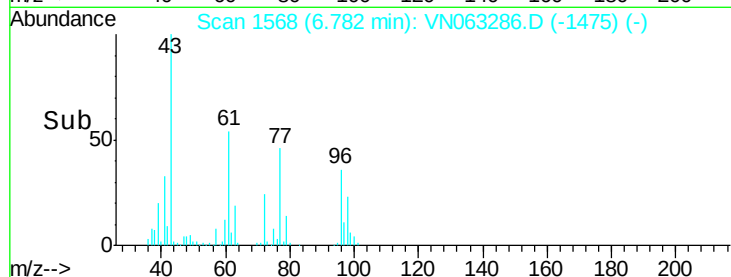
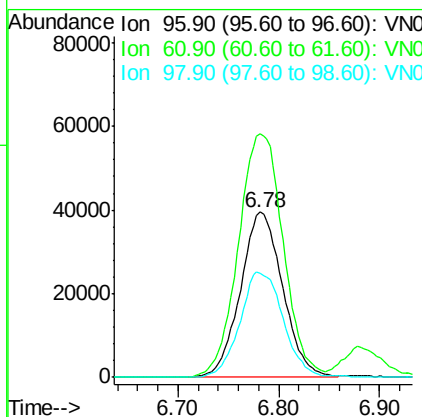
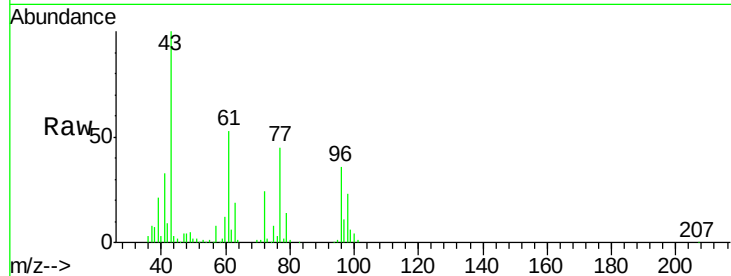
ClientSampleId :

VN0909WBSD01

Tot Ion:	96	Resp:	114760
Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	303.2
98	65.1	0.0	129.0

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#28

Bromochloromethane

Concen: 19.391 ug/l

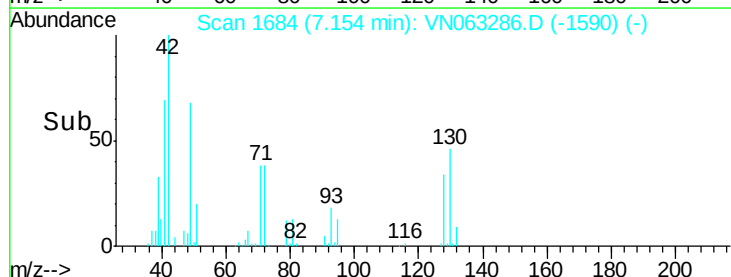
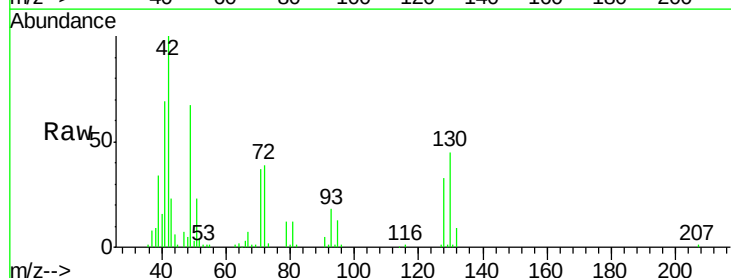
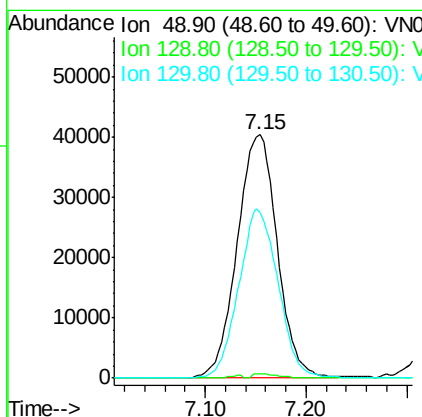
RT: 7.15 min Scan# 1684

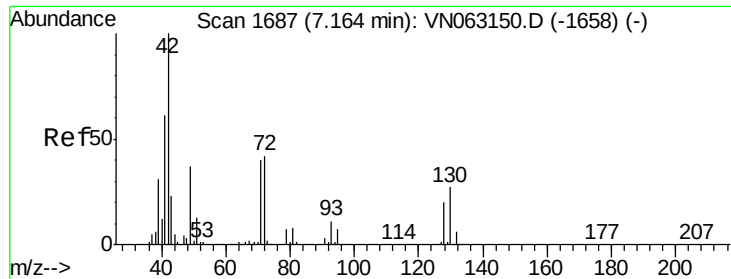
Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	49	Resp:	111469
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	68.2	54.4	81.6





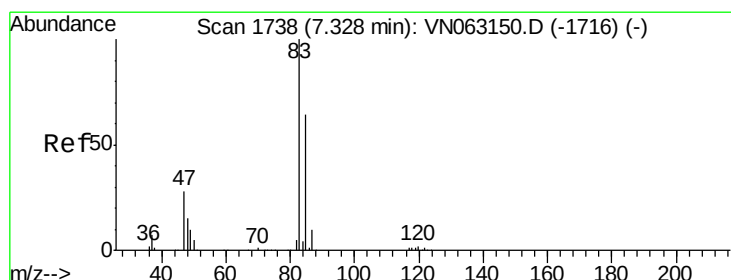
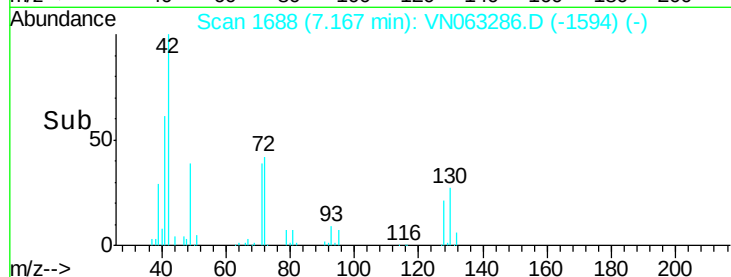
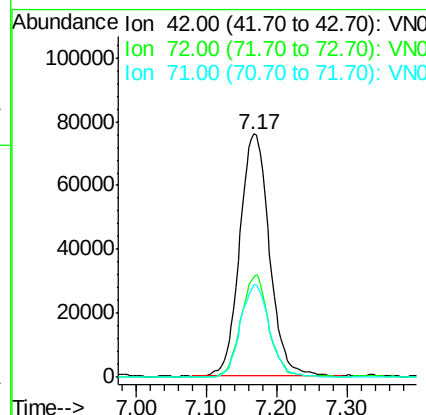
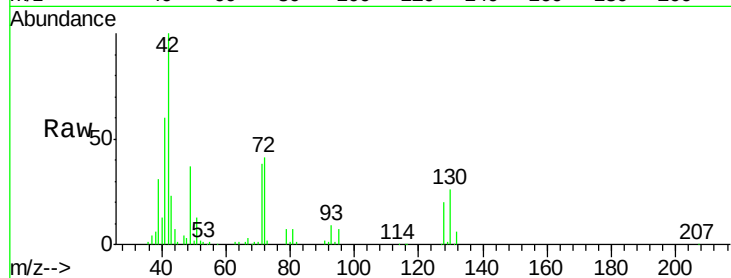
#29
Tetrahydrofuran
Concen: 98.135 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	33.9	50.9
71	37.8	31.9	47.9

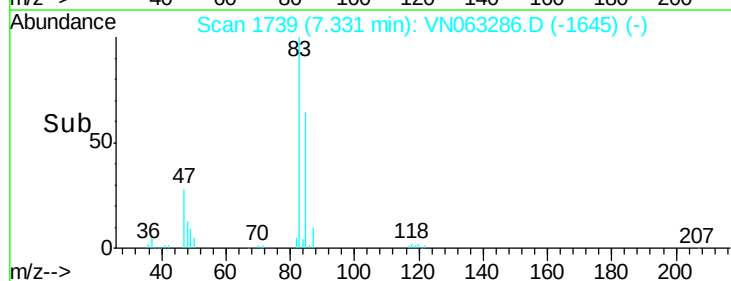
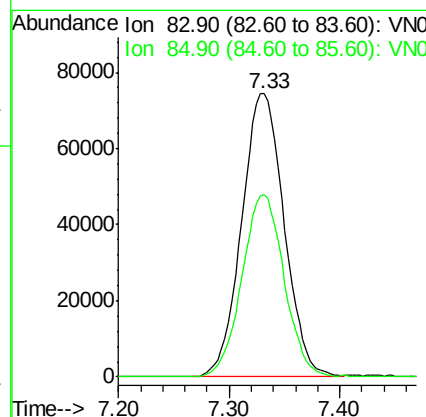
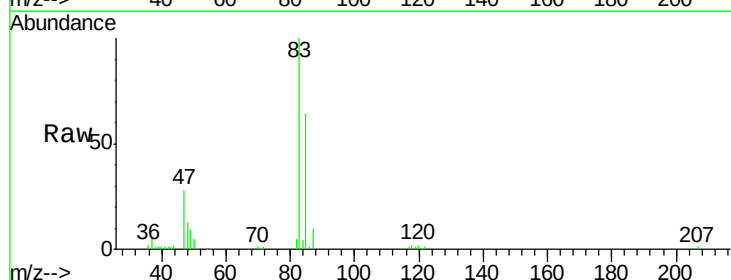
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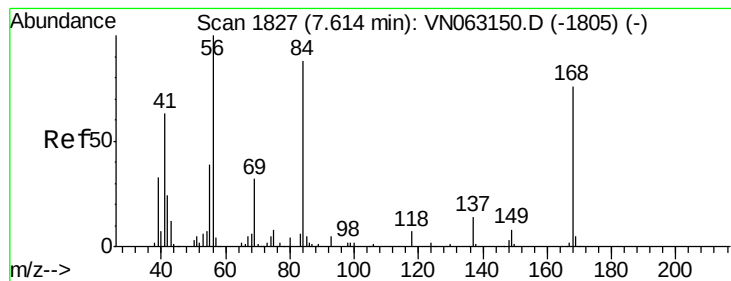
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#30
Chloroform
Concen: 17.248 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





#31

Cyclohexane

Concen: 17.112 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

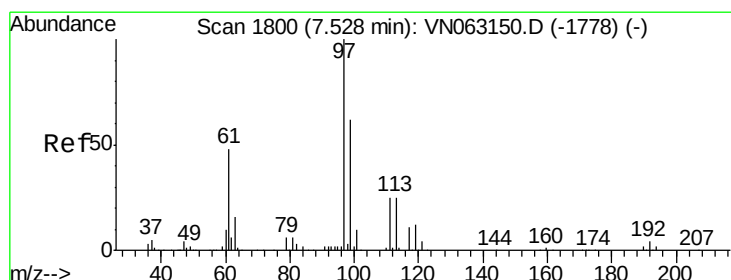
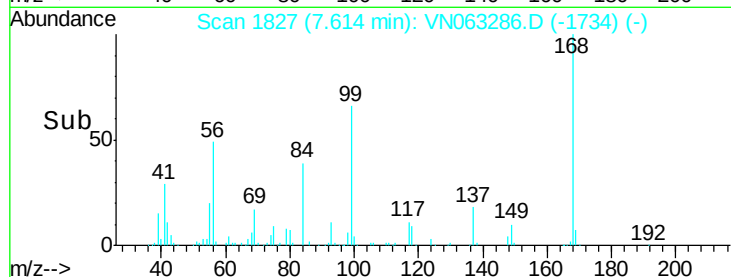
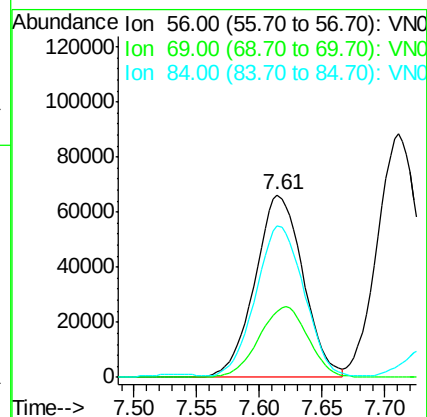
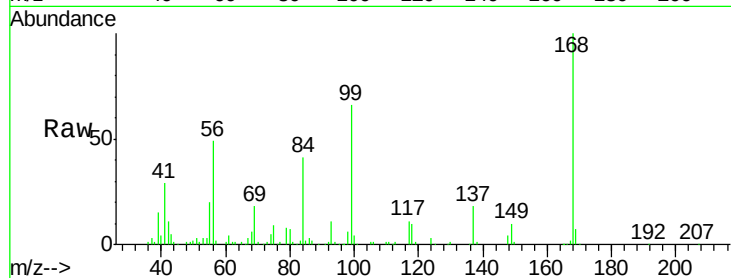
ClientSampled :

VN0909WBSD01

Tot Ion:	56	Resp:	177101
Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.4	38.0
84	81.7	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 17.426 ug/l

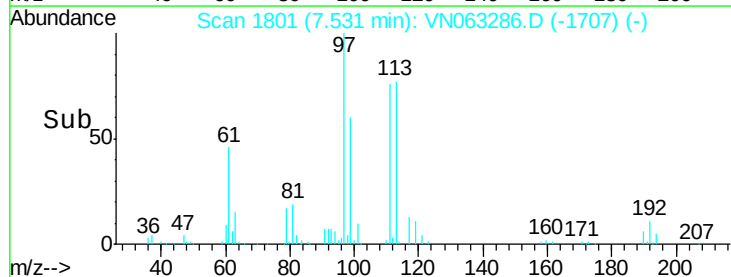
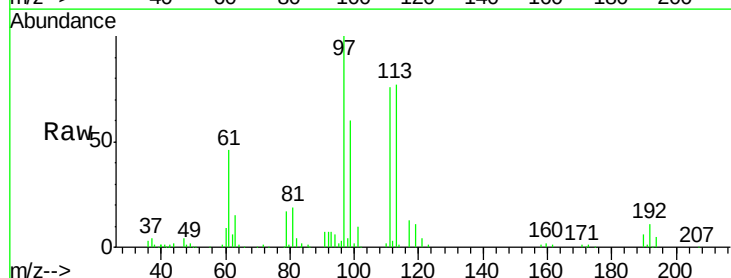
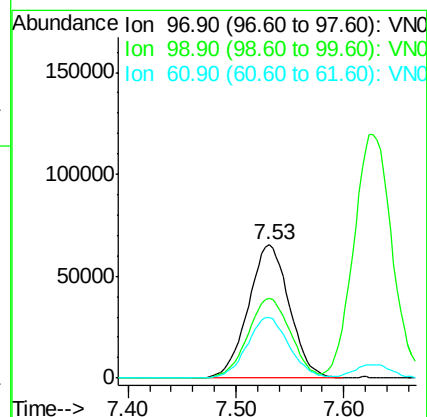
RT: 7.53 min Scan# 1801

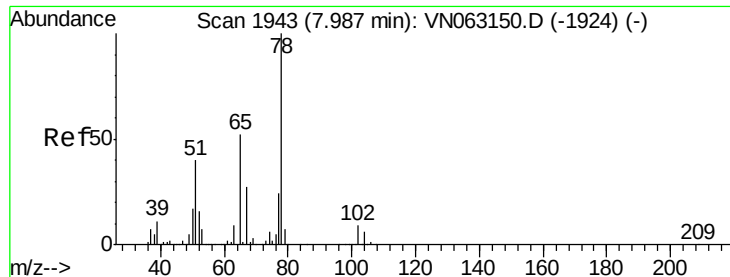
Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	97	Resp:	172855
Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.8	76.2
61	46.7	37.4	56.2





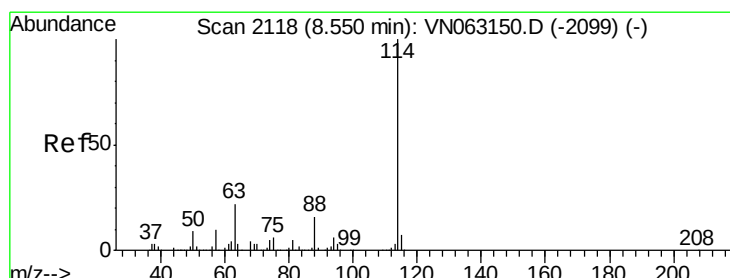
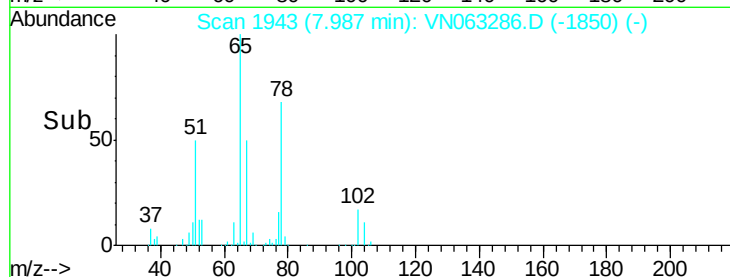
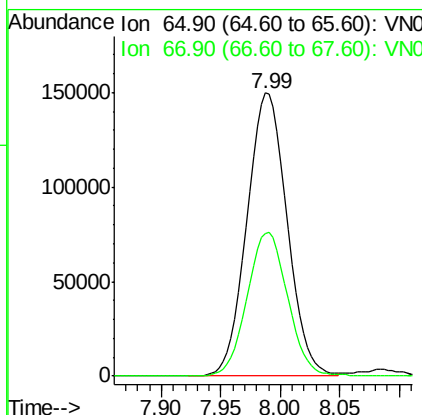
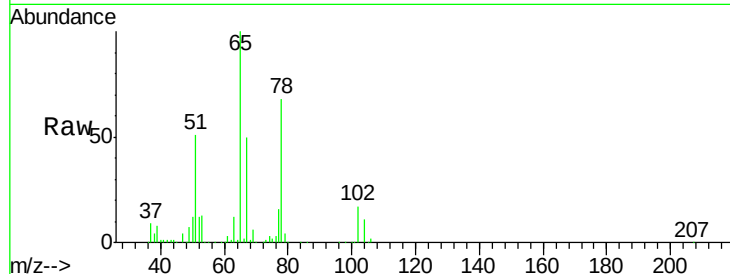
#33
 1,2-Dichloroethane-d4
 Concen: 46.984 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	351058		
67	51.1	0.0	104.4	

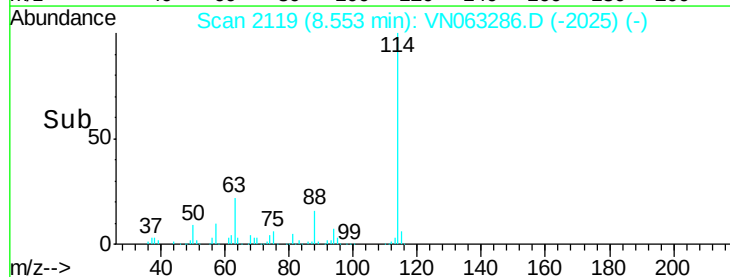
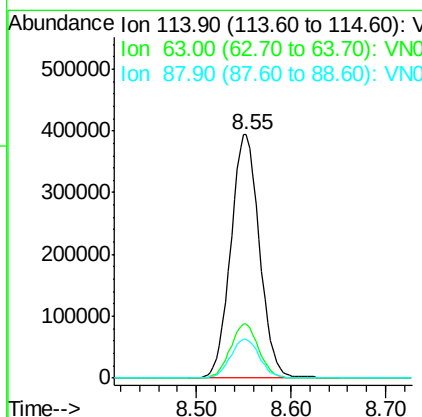
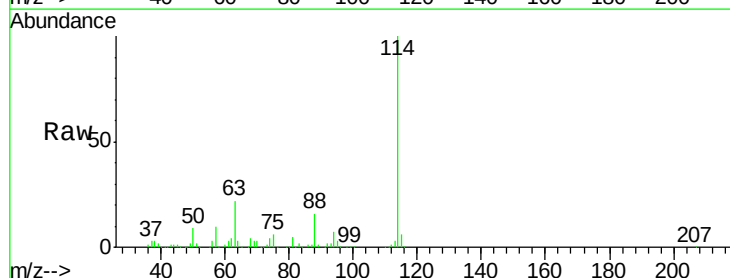
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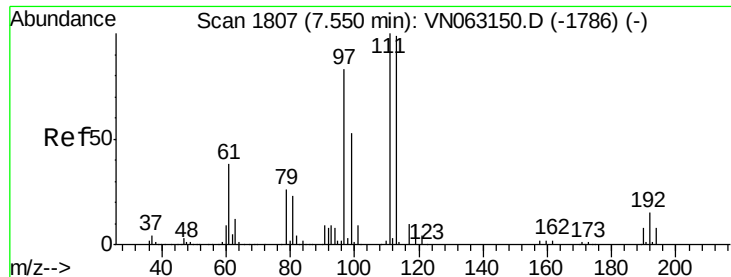
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	829702		
63	22.1	0.0	43.0	
88	15.8	0.0	31.6	





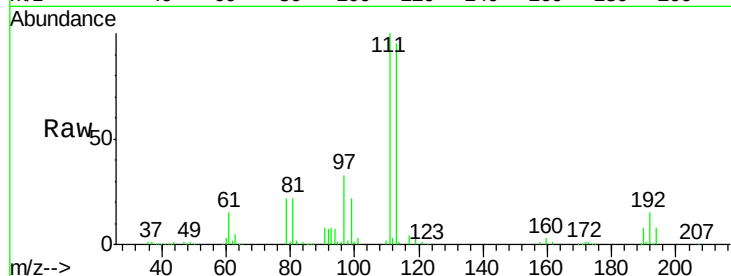
#35
 Dibromofluoromethane
 Concen: 47.937 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

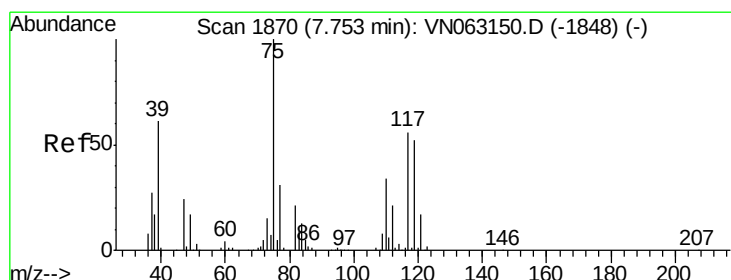
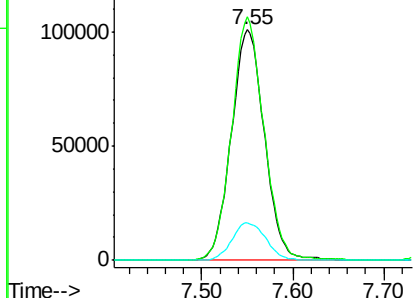
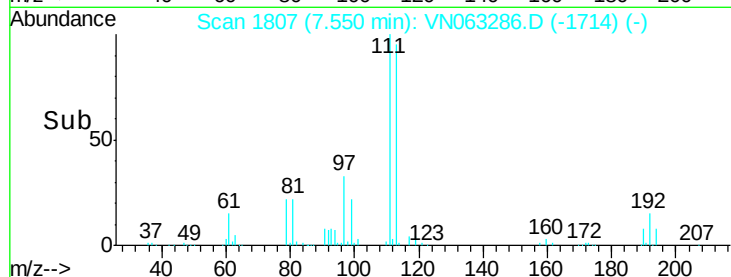
Tot Ion	Ratio	Resp	Lower	Upper
113	100	255166		
111	103.0	80.7	121.1	
192	16.7	12.6	19.0	

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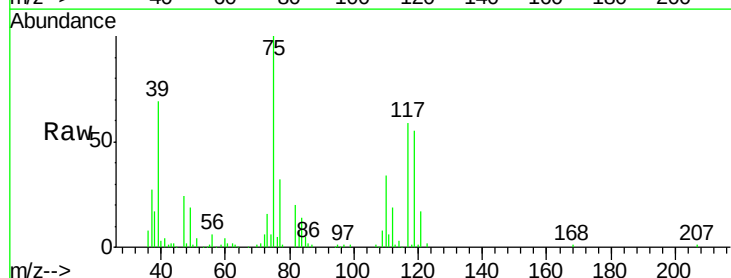


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

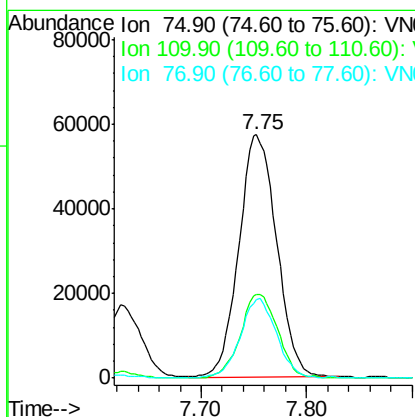
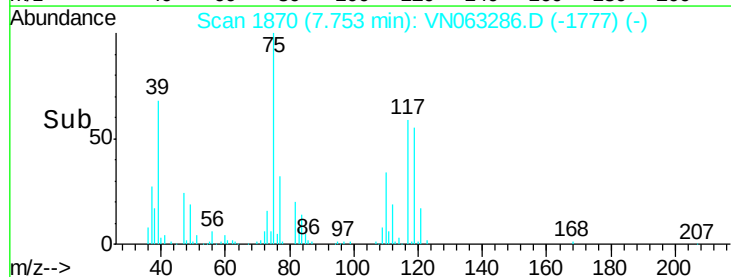


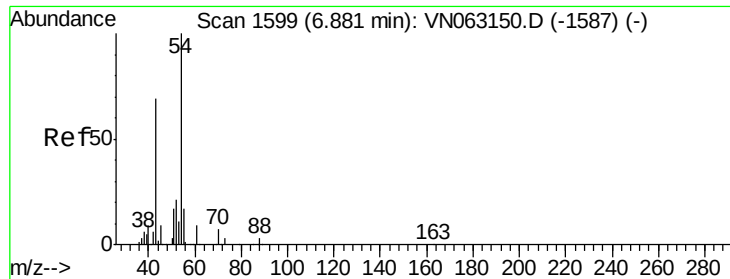
#36
 1,1-Dichloropropene
 Concen: 17.916 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142907		
110	34.2	16.6	49.8	
77	31.7	25.4	38.2	



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





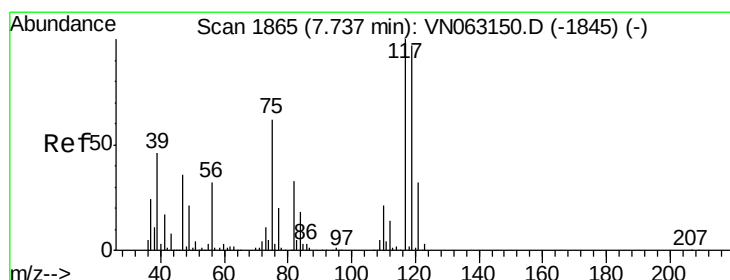
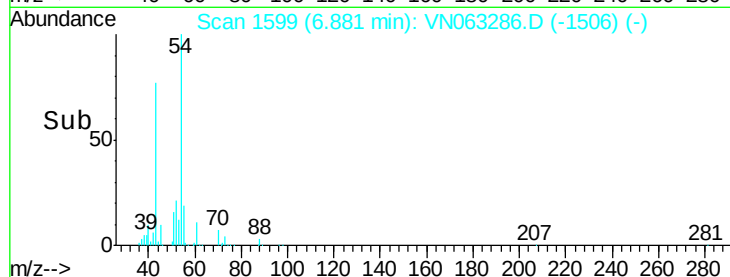
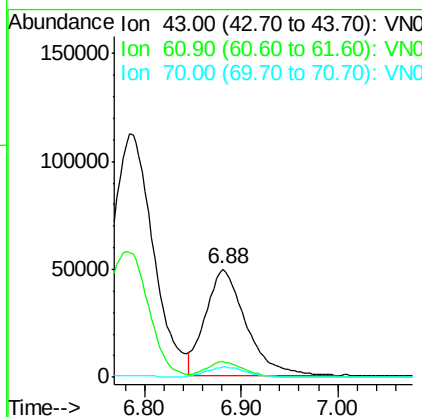
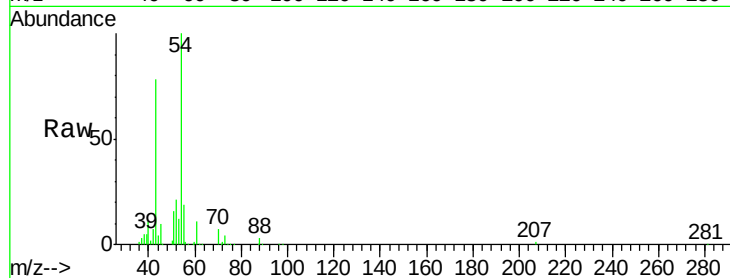
#37
Ethyl Acetate
Concen: 19.270 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	9.7	3.0	4.6#

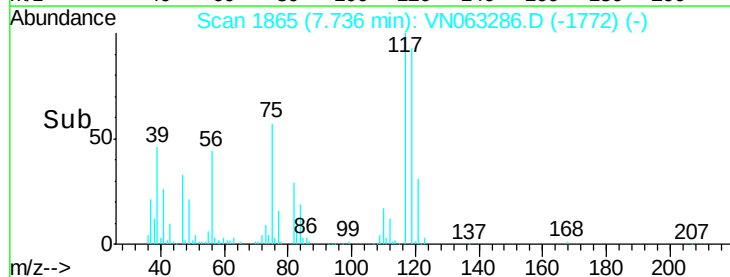
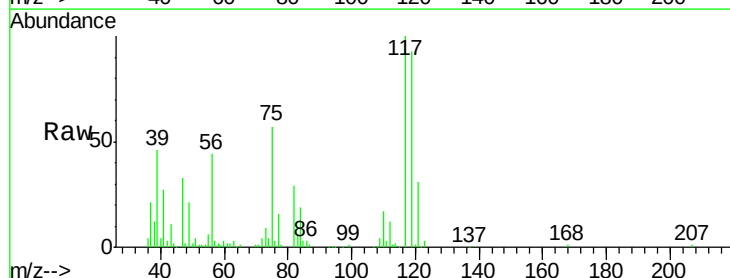
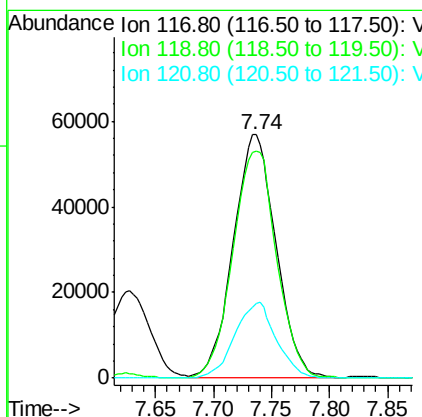
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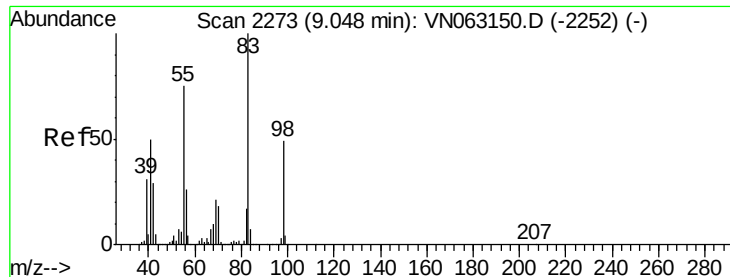
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#38
Carbon Tetrachloride
Concen: 18.039 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.2	115.8
121	30.7	25.6	38.4





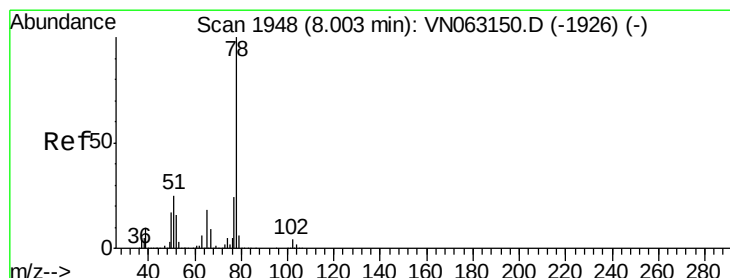
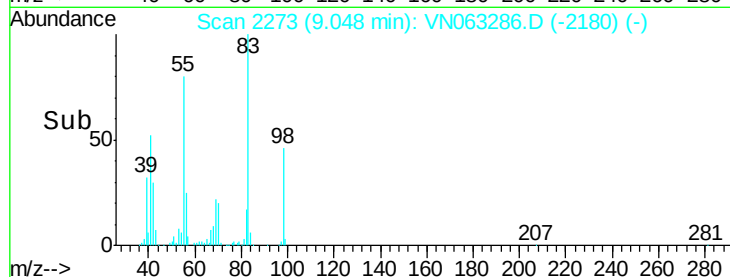
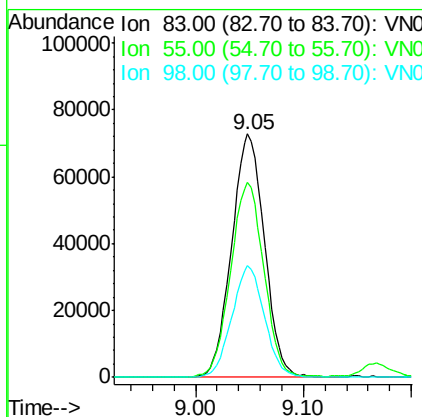
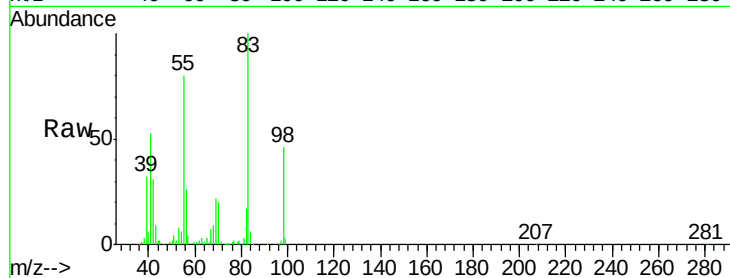
#39
Methylvlcyclohexane
Concen: 17.226 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	60.3	90.5
98	45.8	38.9	58.3

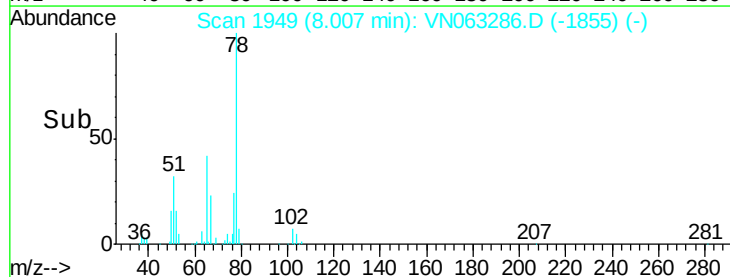
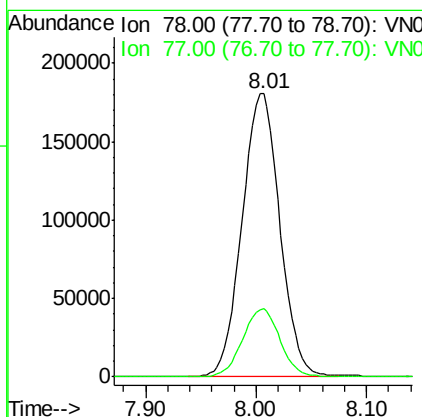
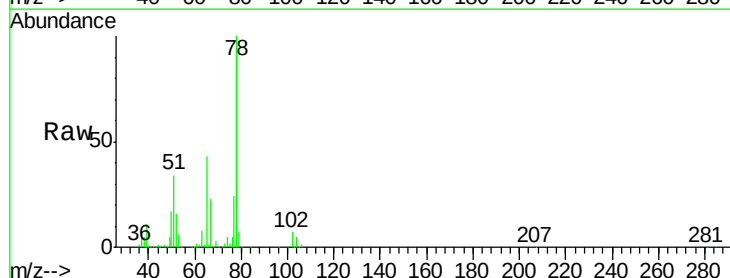
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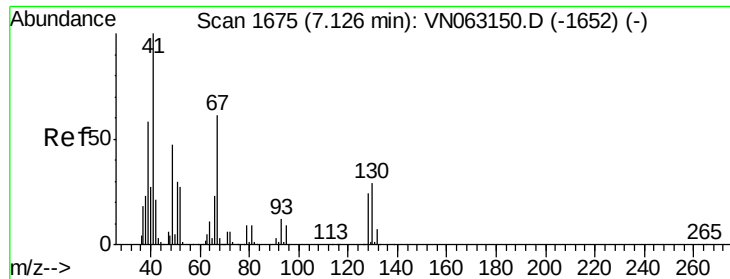
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#40
Benzene
Concen: 18.304 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





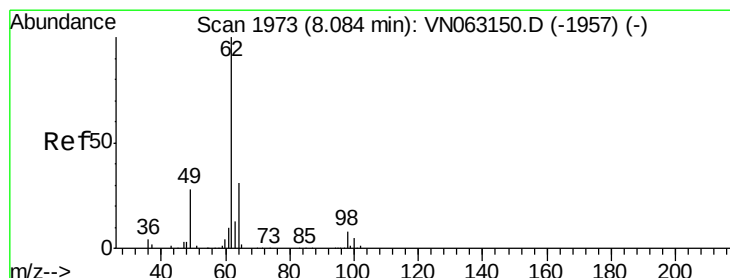
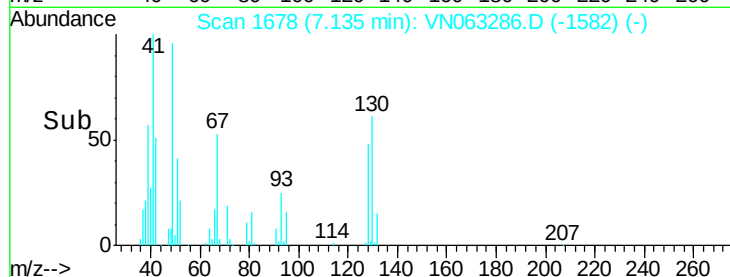
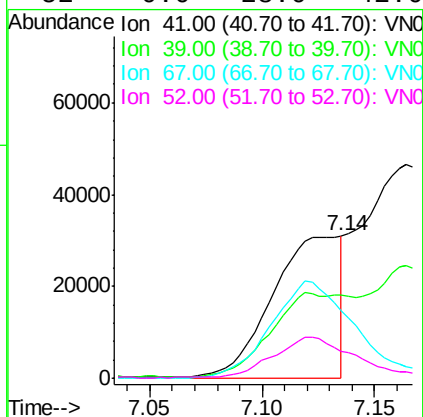
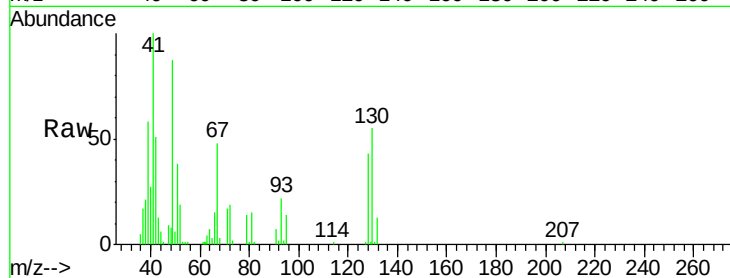
#41
Methacrylonitrile
Concen: 19.663 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	70.0#
67	0.0	62.6	94.0#
52	0.0	28.0	42.0#

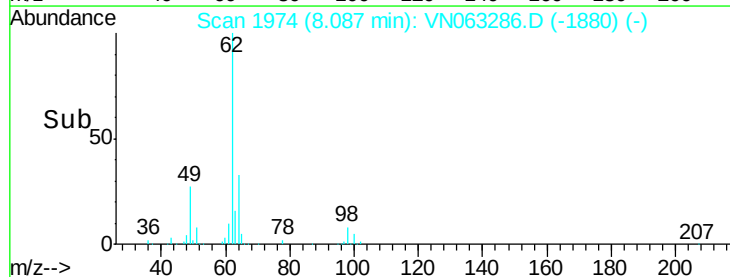
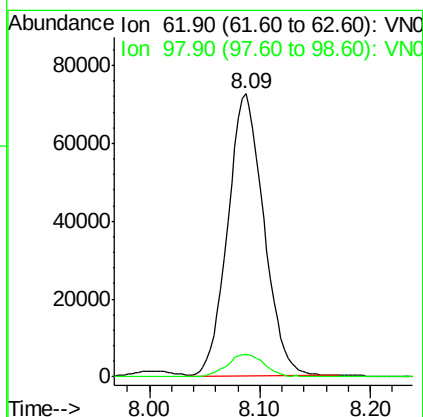
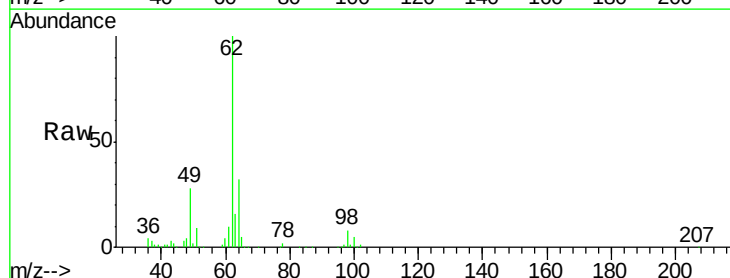
Manual Integrations
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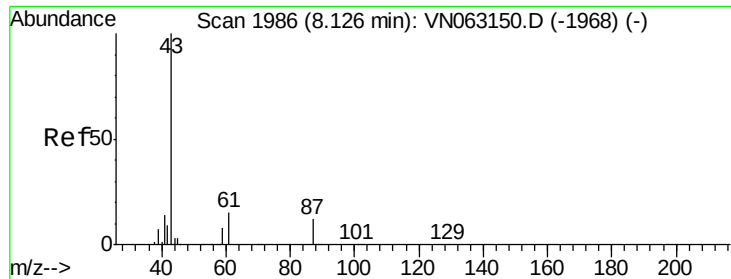
MMDadoda
9/10/2020 4:04:30 PM



#42
1,2-Dichloroethane
Concen: 18.811 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.478 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

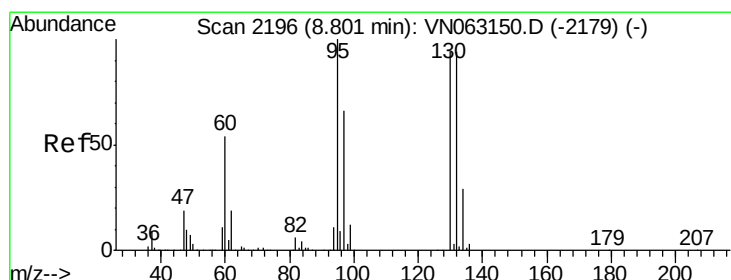
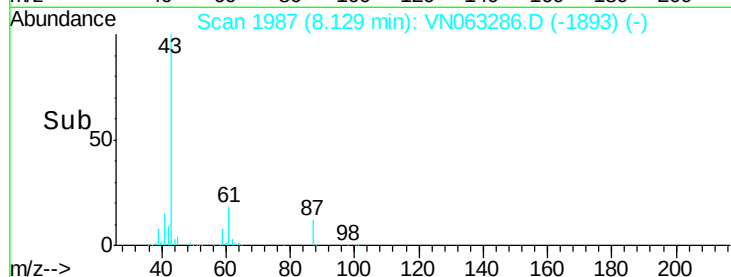
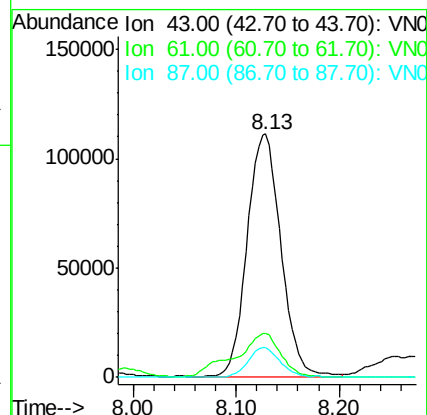
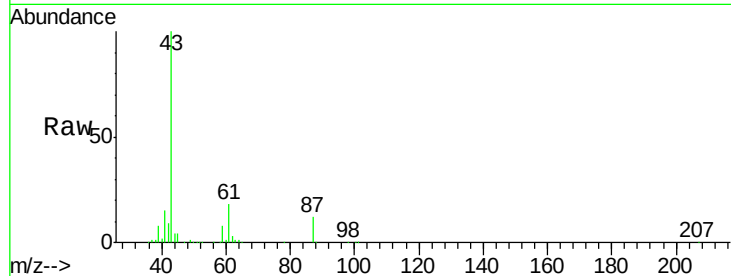
ClientSampleId :

VN0909WBSD01

Tot Ion:	43	Resp:	253373
Ion	Ratio	Lower	Upper
43	100		
61	24.4	20.2	30.4
87	11.6	9.8	14.6

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#44

Trichloroethene

Concen: 19.692 ug/l

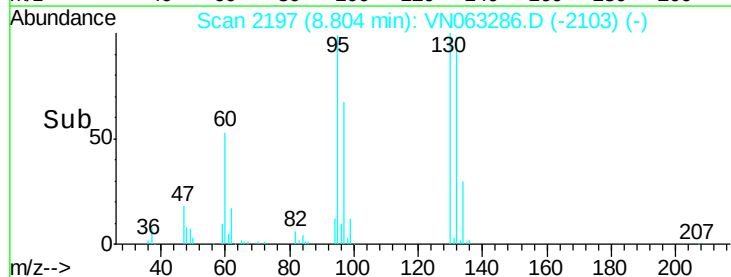
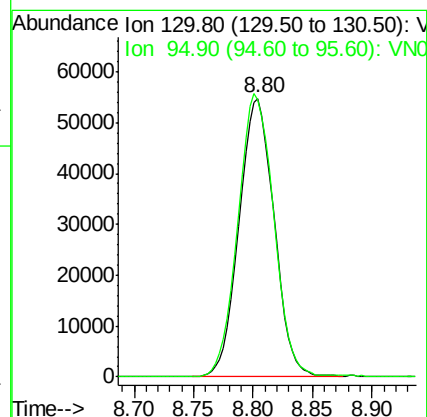
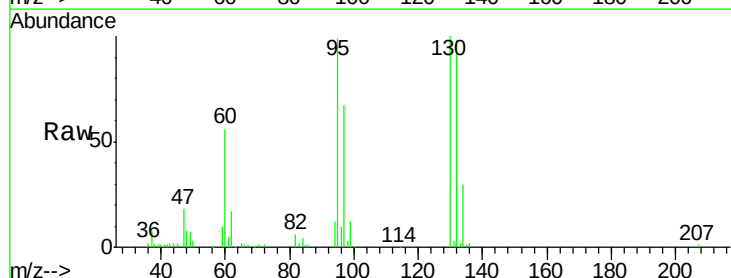
RT: 8.80 min Scan# 2197

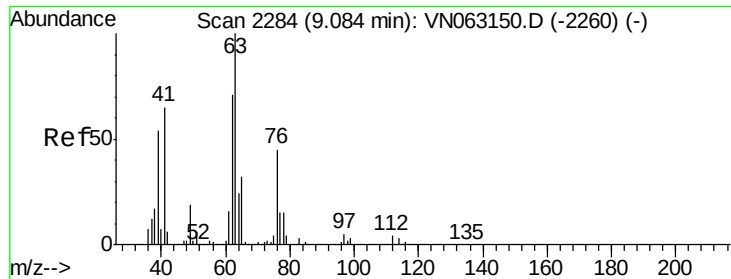
Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	130	Resp:	111955
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	212.0





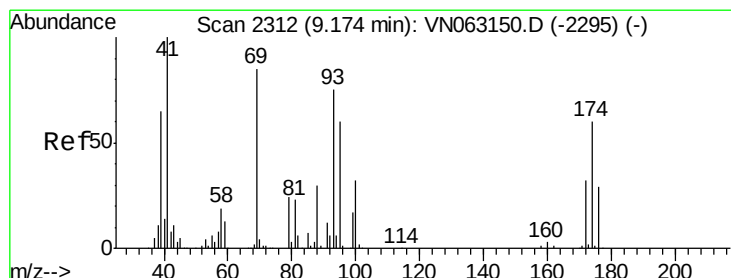
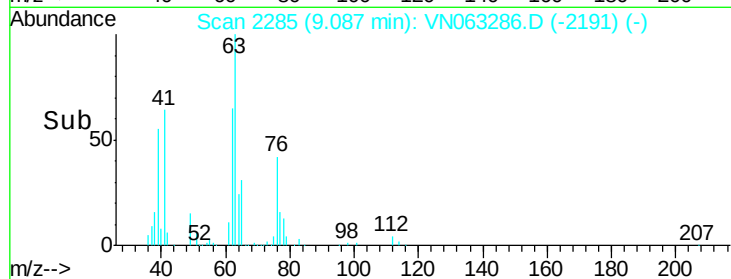
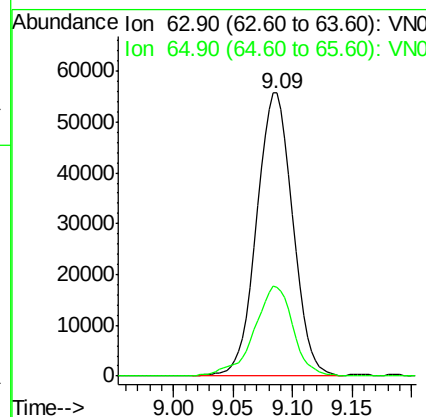
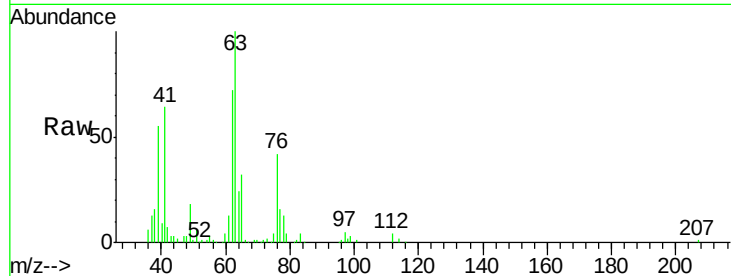
#45
 1,2-Dichloropropane
 Concen: 18.891 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion: 63 Resp: 117236
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.0

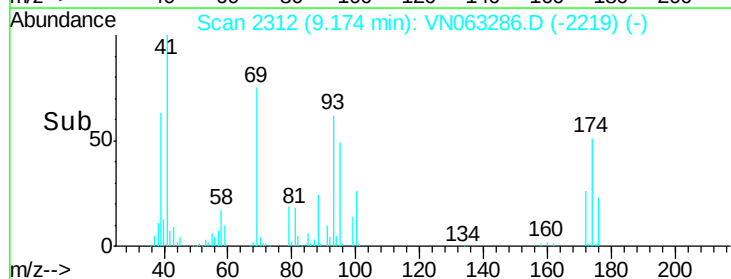
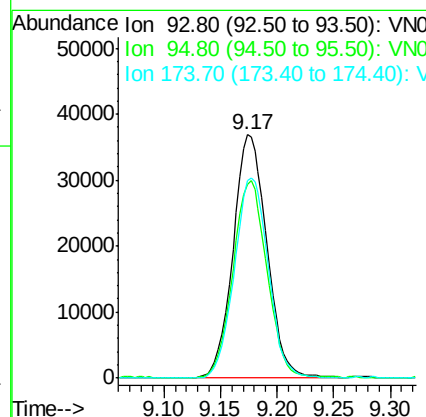
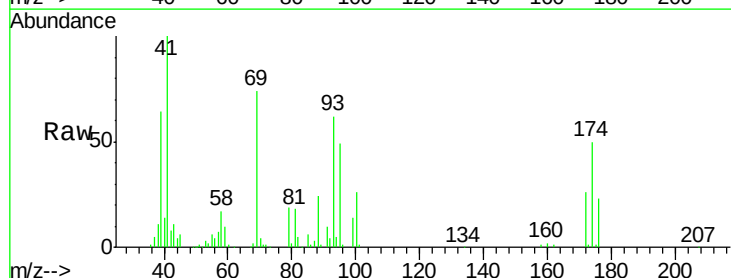
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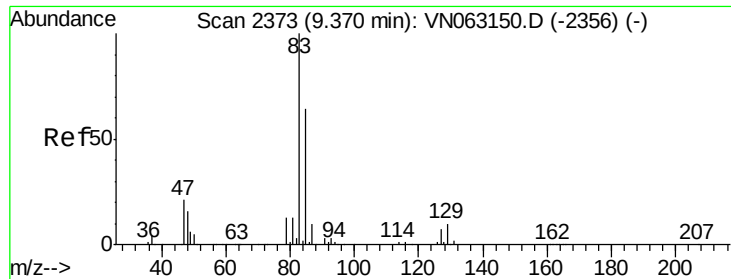
MMDadoda
 9/10/2020 4:04:30 PM



#46
 Dibromomethane
 Concen: 18.628 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion: 93 Resp: 76612
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.2 97.8
 174 82.6 64.6 97.0





#47

Bromodichloromethane

Concen: 18.432 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

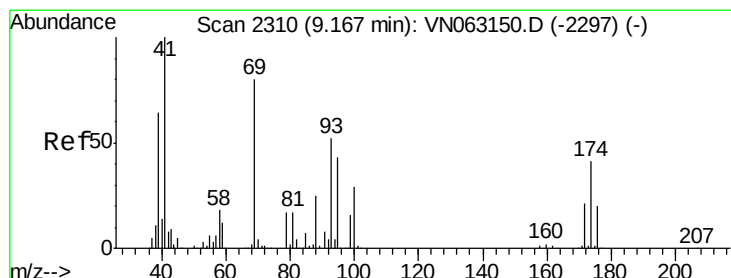
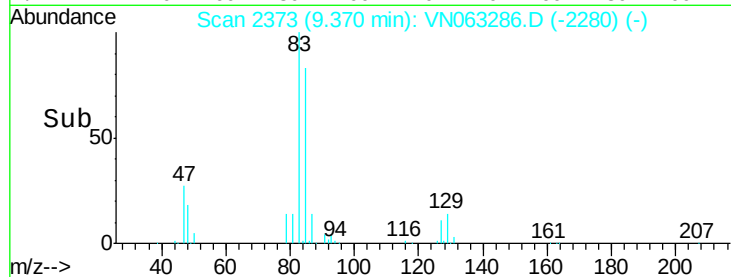
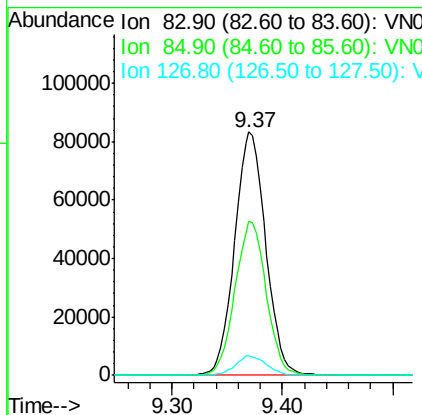
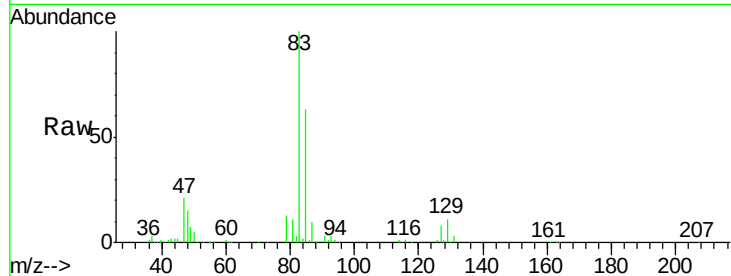
ClientSampleId :

VN0909WBSD01

Tot Ion:	83	Resp:	162484
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	8.1	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.772 ug/l

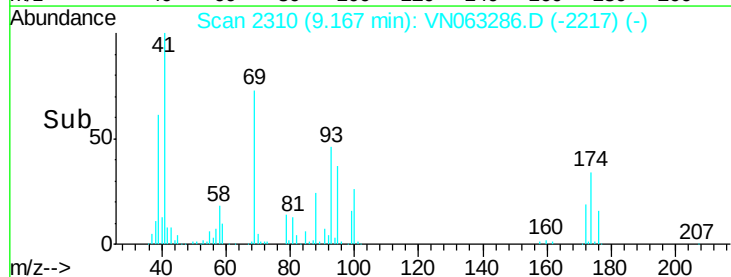
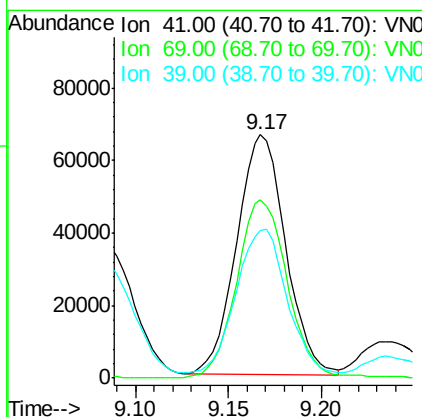
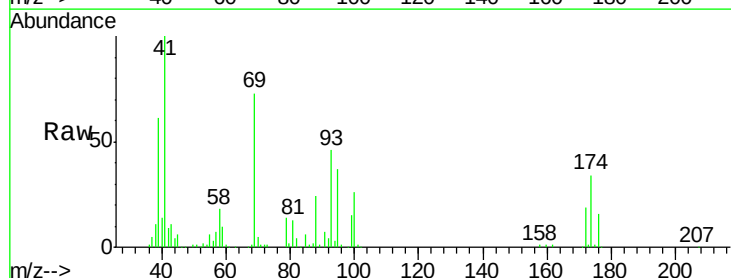
RT: 9.17 min Scan# 2310

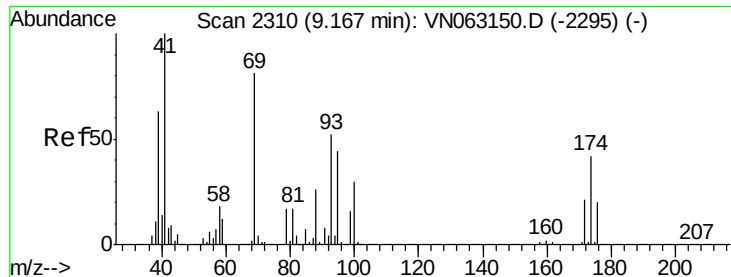
Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	41	Resp:	121809
Ion	Ratio	Lower	Upper
41	100		
69	77.9	65.9	98.9
39	62.0	52.0	78.0





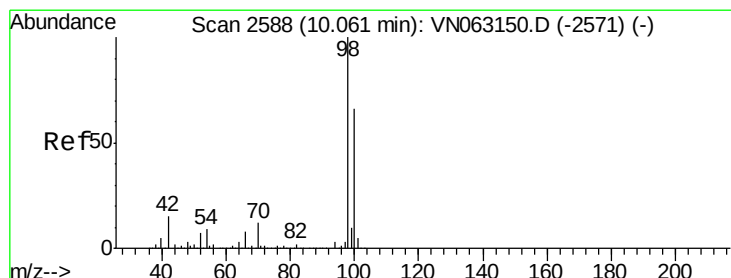
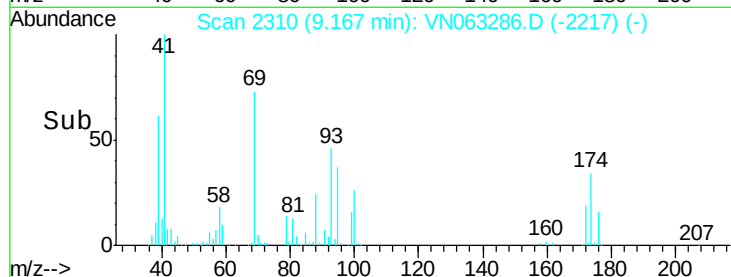
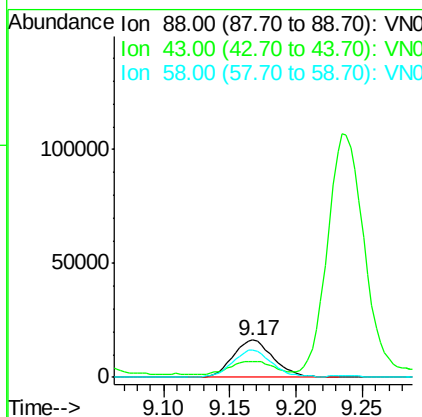
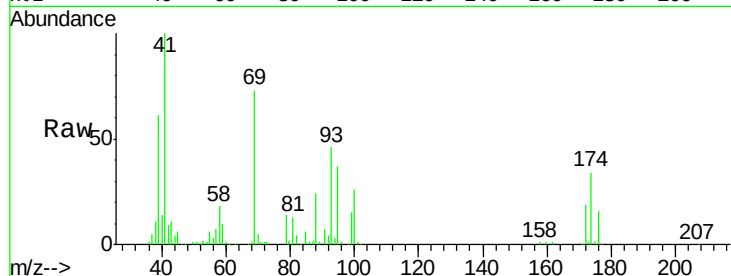
#49
1,4-Dioxane
Concen: 382.444 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	88	Resp	34688
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.6	42.8
58	71.7	53.2	79.8

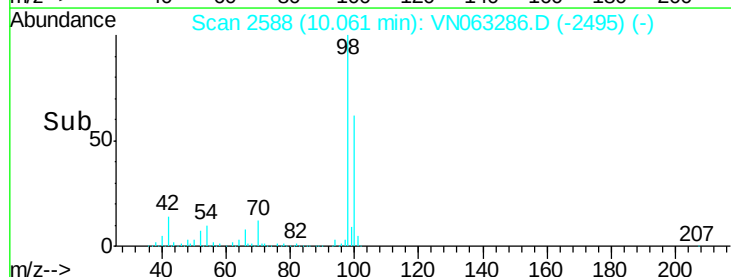
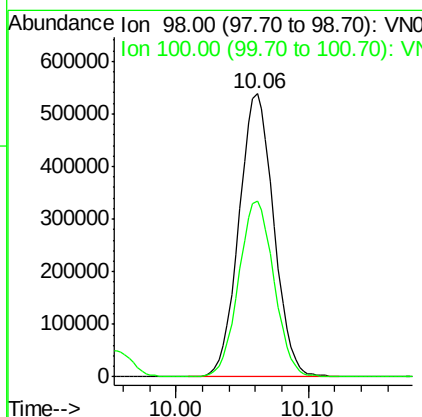
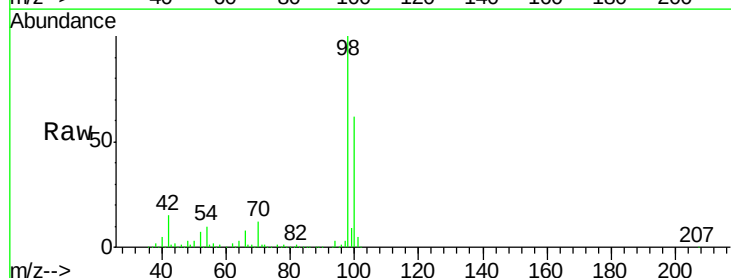
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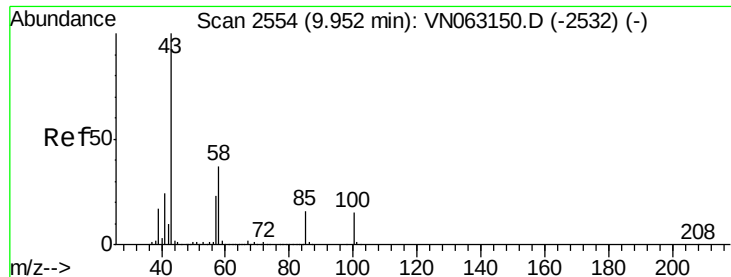
MMDadoda
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#50
Toluene-d8
Concen: 47.839 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	98	Resp	980124
Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 105.616 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 43 Resp: 746577

Ion Ratio Lower Upper

43 100

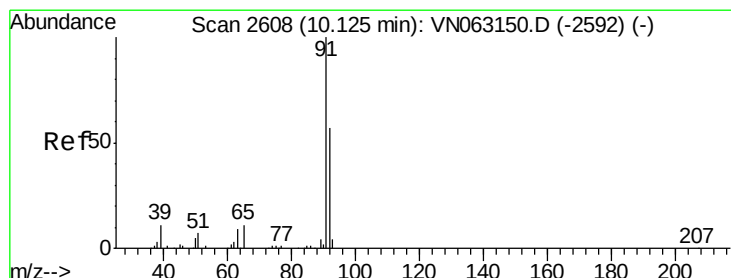
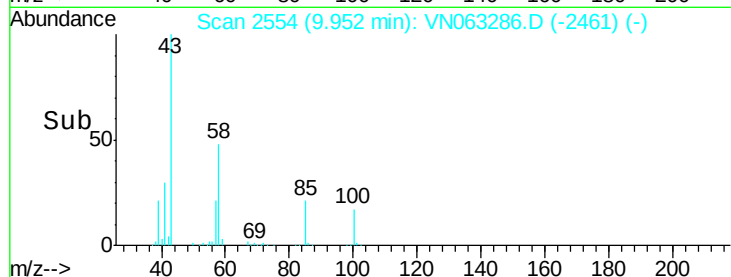
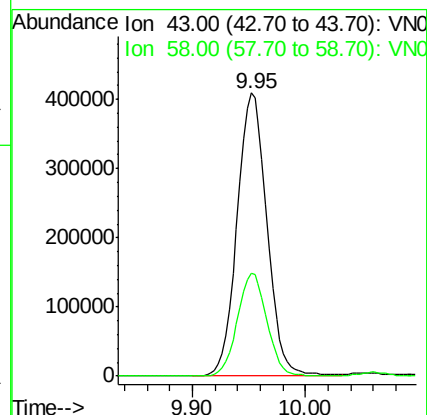
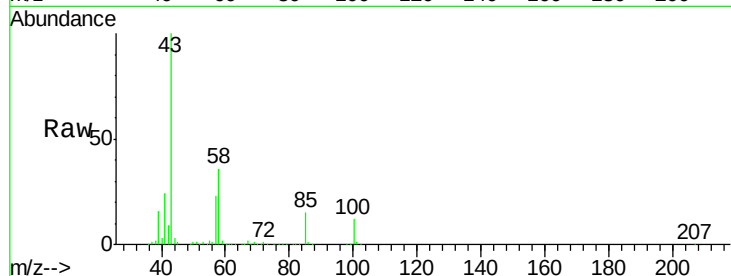
58 36.1 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 18.333 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063286.D

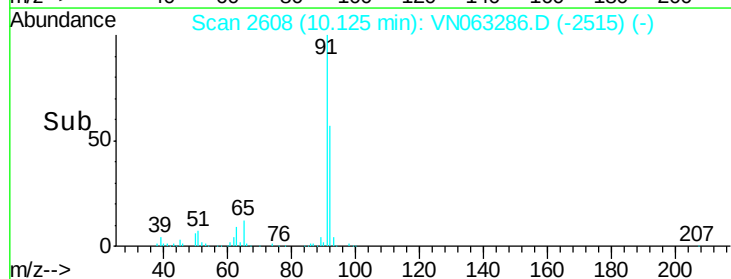
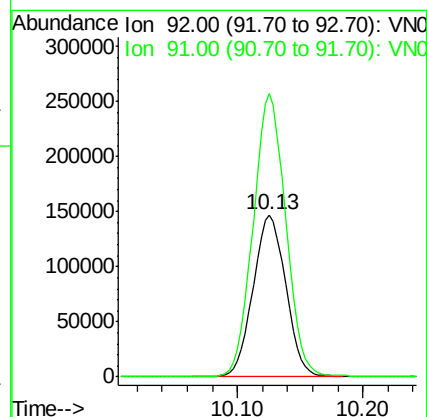
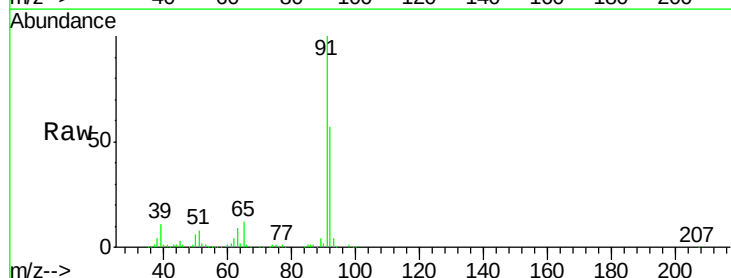
Acq: 9 Sep 2020 16:40

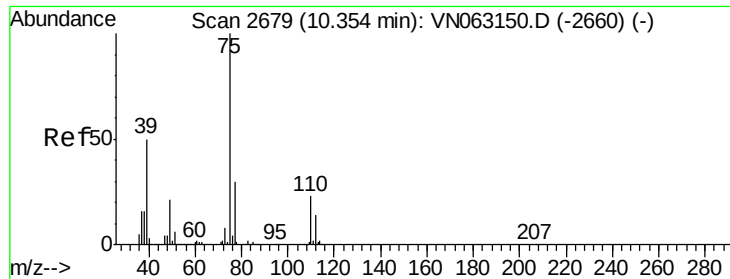
Tgt Ion: 92 Resp: 267694

Ion Ratio Lower Upper

92 100

91 174.1 141.2 211.8





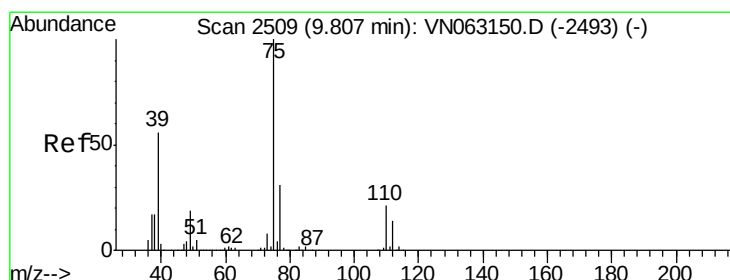
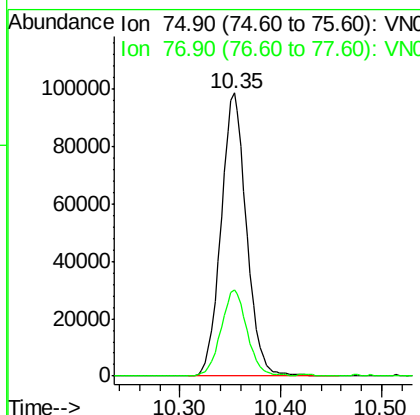
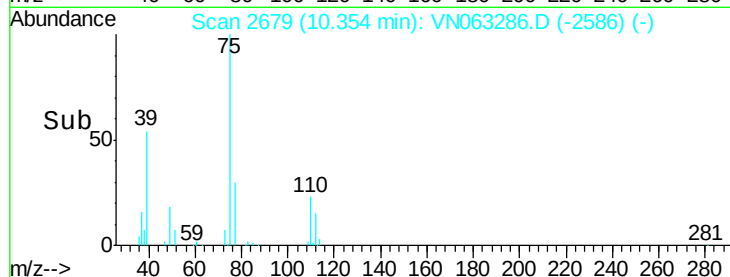
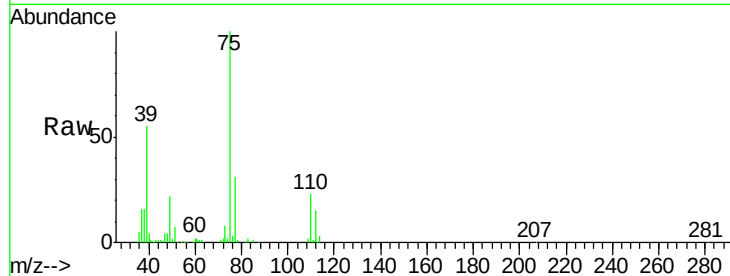
#53
t-1,3-Dichloropropene
Concen: 18.070 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion: 75 Resp: 174239
Ion Ratio Lower Upper
75 100
77 30.4 24.2 36.2

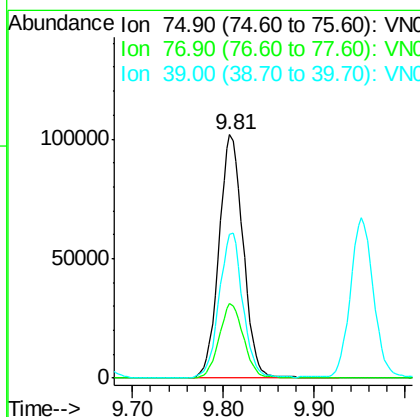
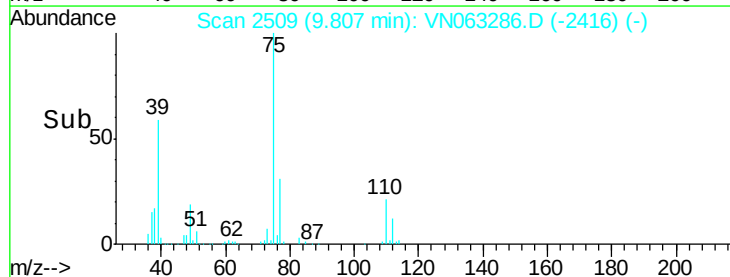
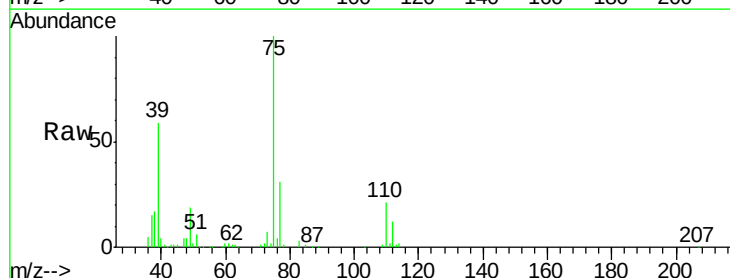
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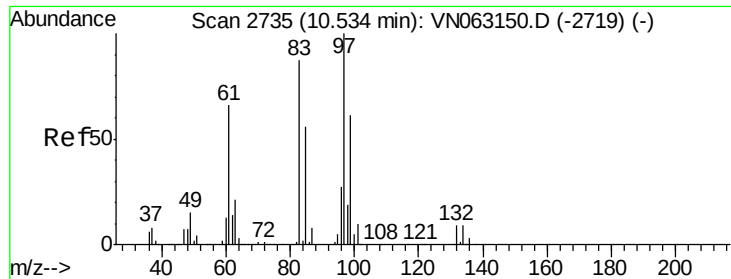
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#54
cis-1,3-Dichloropropene
Concen: 18.578 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion: 75 Resp: 188046
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 58.8 45.0 67.6





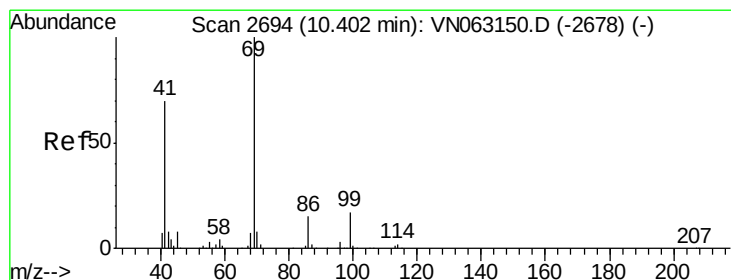
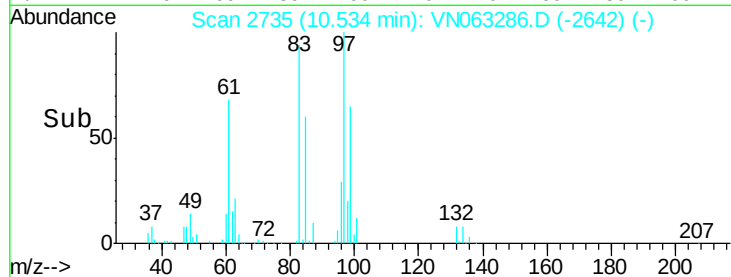
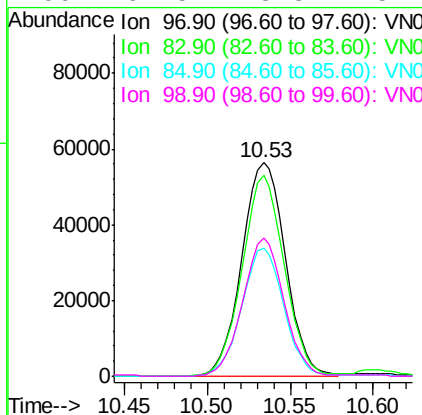
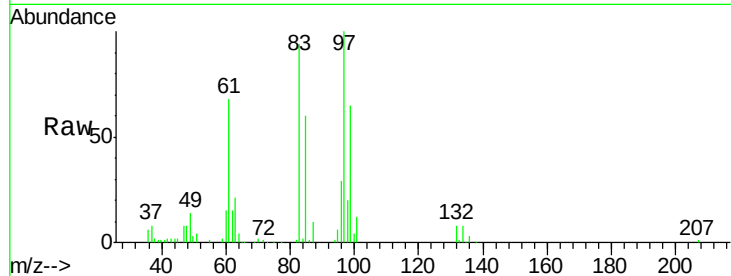
#55
 1,1,2-Trichloroethane
 Concen: 18.512 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion:	97	Resp:	103519
Ion	Ratio	Lower	Upper
97	100		
83	93.8	69.8	104.8
85	60.1	44.9	67.3
99	64.5	48.8	73.2

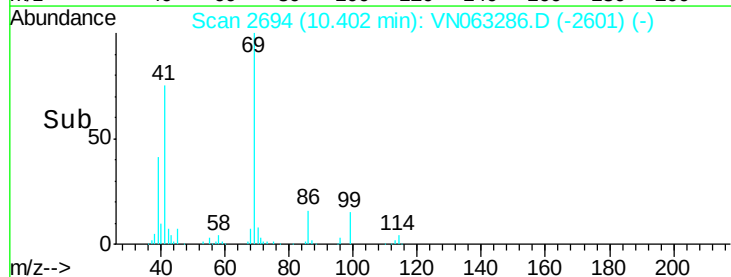
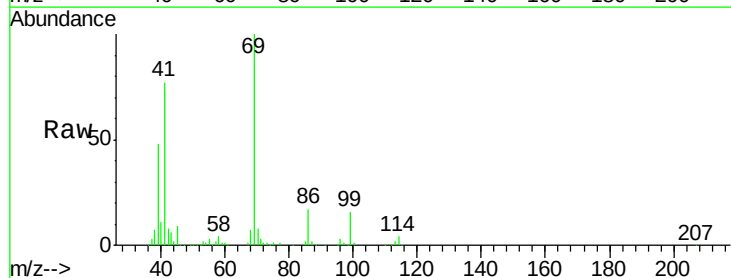
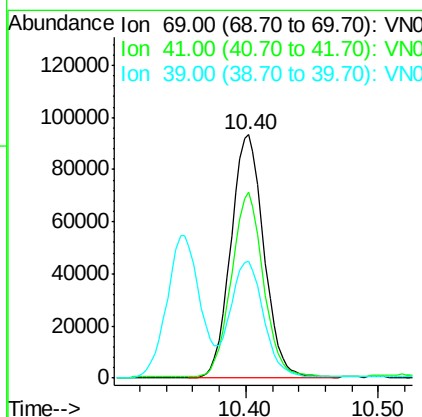
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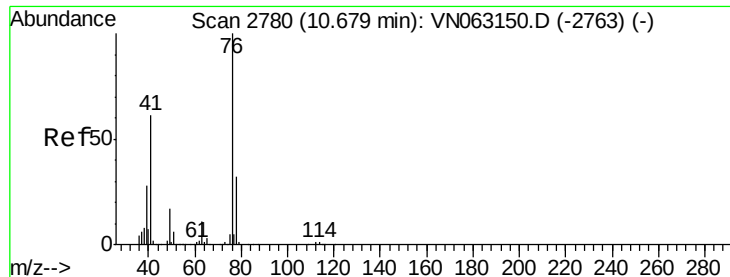
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#56
 Ethyl methacrylate
 Concen: 19.093 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion:	69	Resp:	162485
Ion	Ratio	Lower	Upper
69	100		
41	73.0	55.5	83.3
39	48.4	38.2	57.2





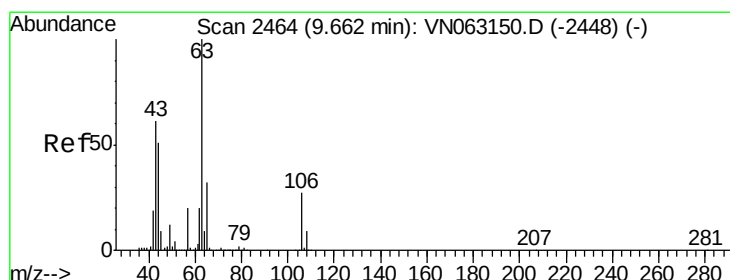
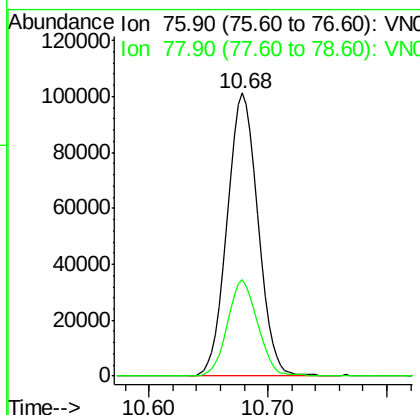
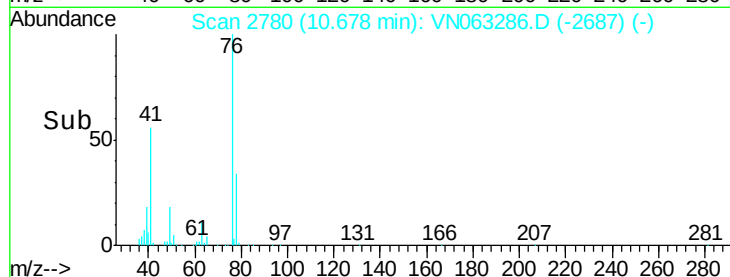
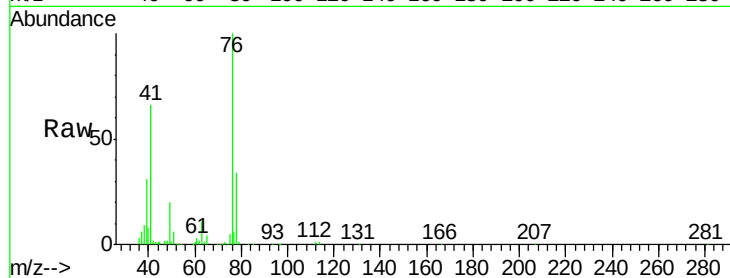
#57
 1,3-Dichloropropane
 Concen: 18.295 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.5	38.3

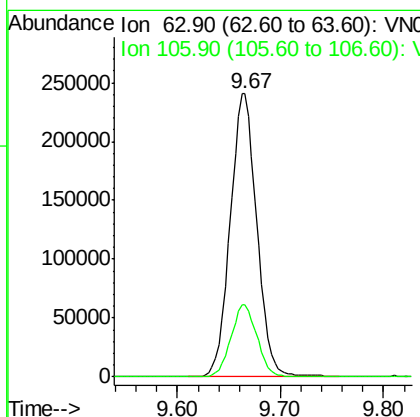
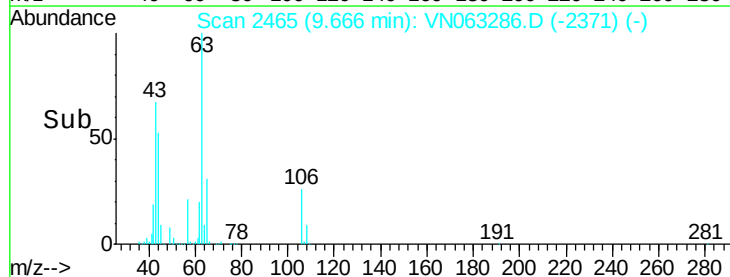
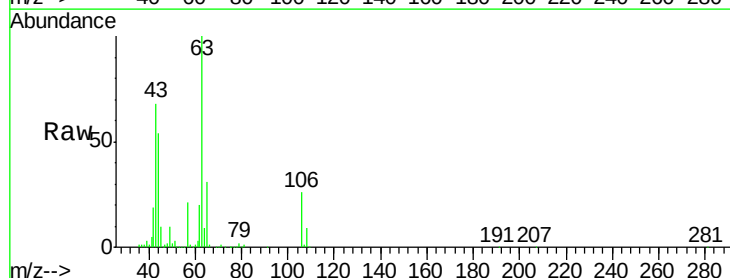
Manual Integrations
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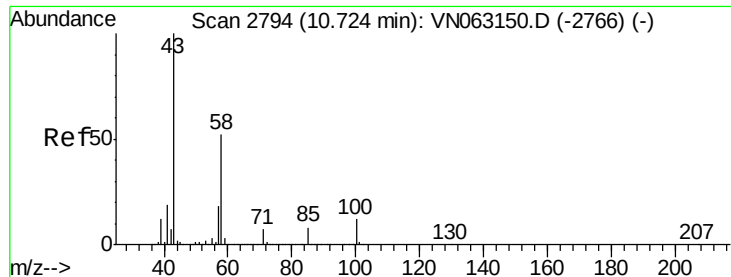
MMDadoda
 9/10/2020 4:04:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.022 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	21.8	32.6





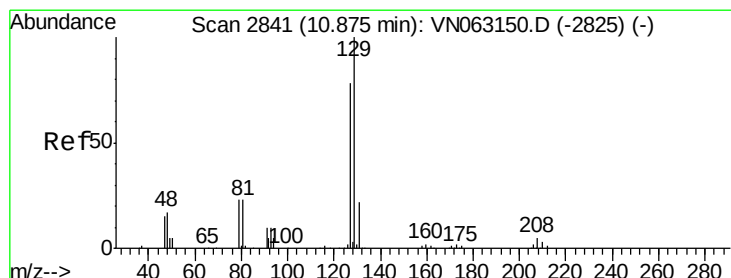
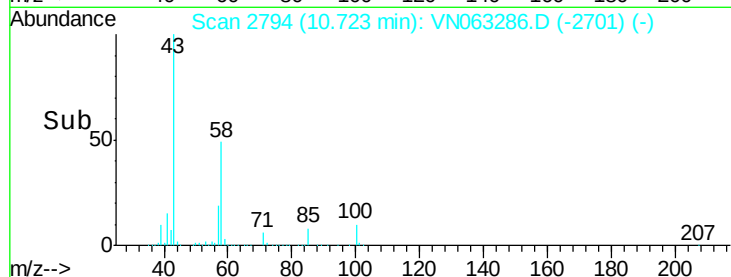
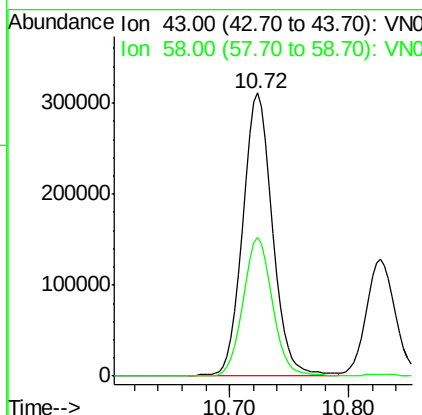
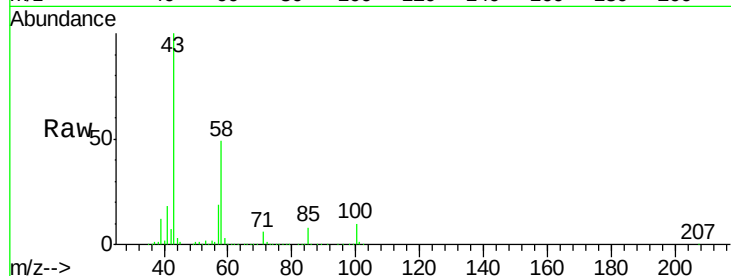
#59
2-Hexanone
Concen: 107.312 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion: 43 Resp: 533106
Ion Ratio Lower Upper
43 100
58 49.0 25.9 77.8

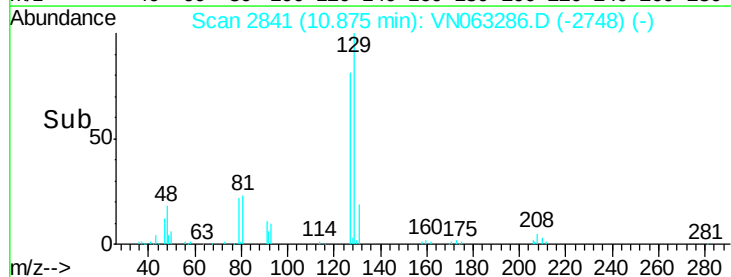
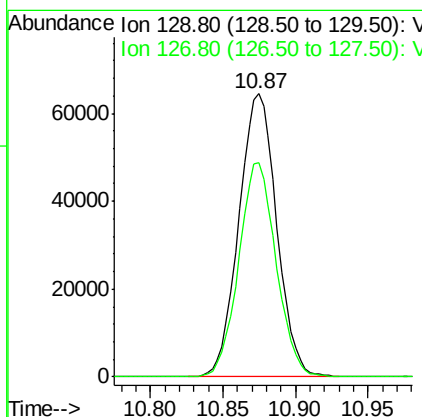
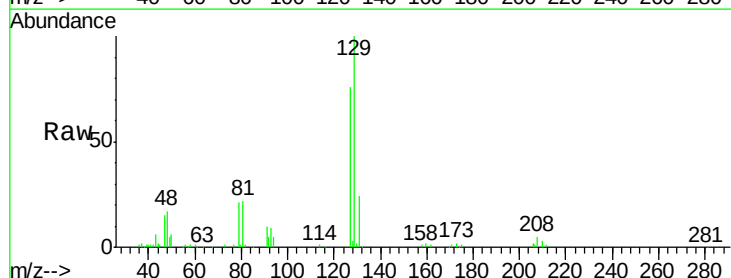
Manual Integrations
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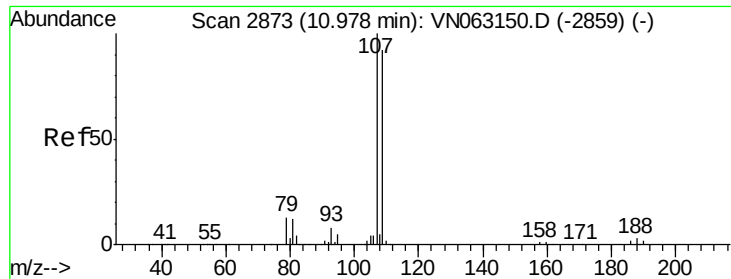
MMDadoda
9/10/2020 4:04:30 PM



#60
Dibromochloromethane
Concen: 18.931 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion: 129 Resp: 117034
Ion Ratio Lower Upper
129 100
127 74.6 39.0 117.0





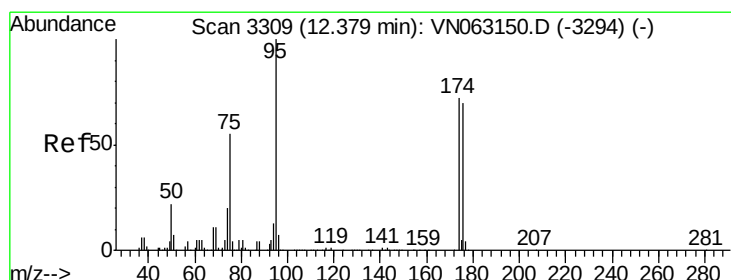
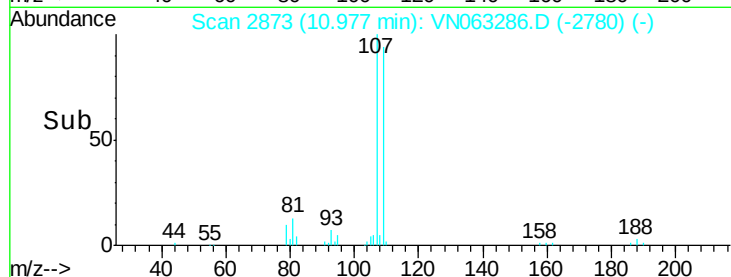
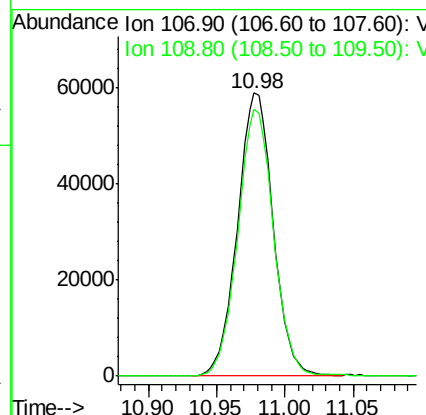
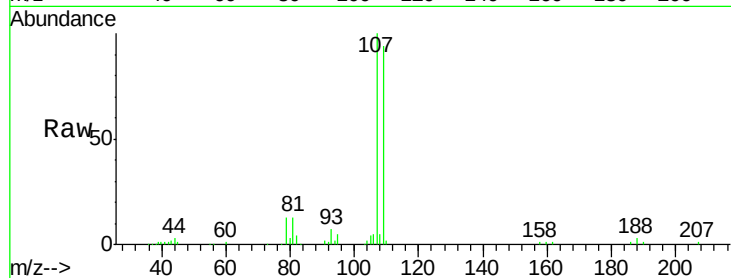
#61
 1,2-Dibromoethane
 Concen: 18.370 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.4	110.0

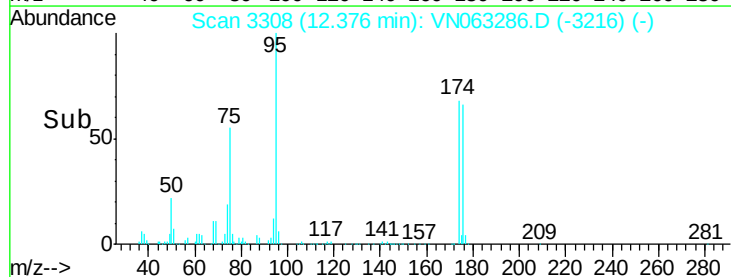
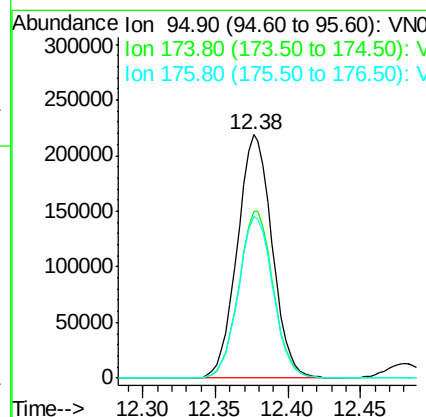
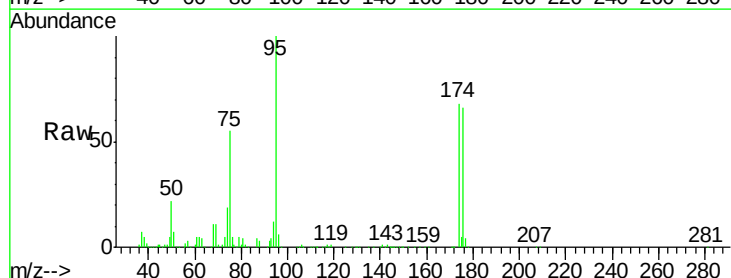
Manual Integrations
 APPROVED

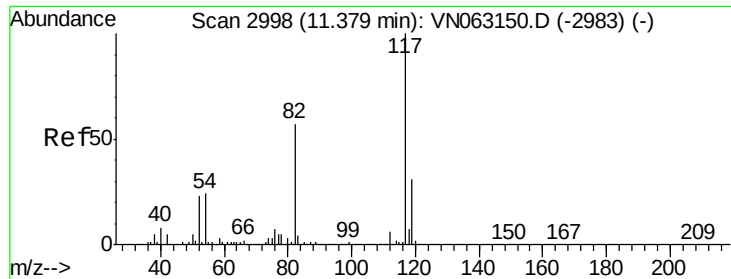
MMDadoda
 9/10/2020 4:04:30 PM



#62
 4-Bromofluorobenzene
 Concen: 51.005 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	143.8
176	66.3	0.0	138.4





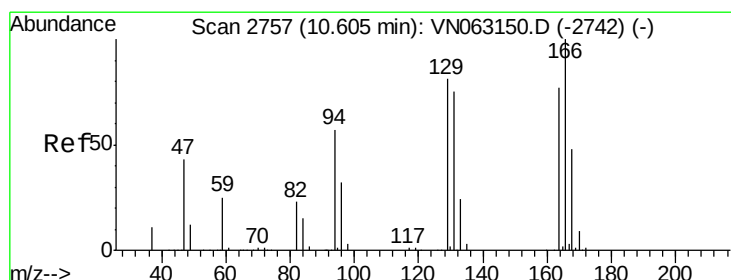
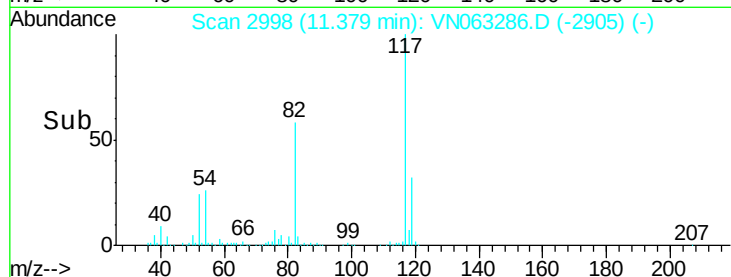
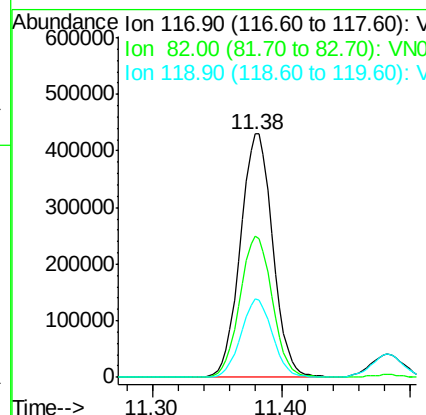
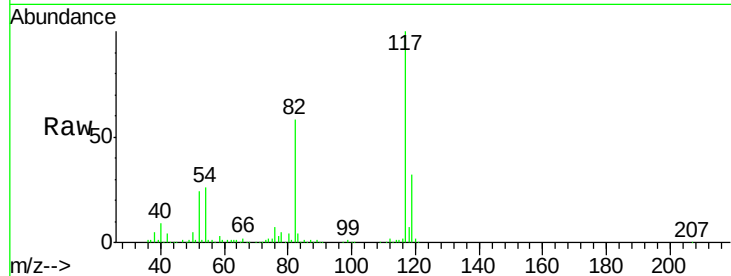
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.4	68.0
119	32.2	24.6	37.0

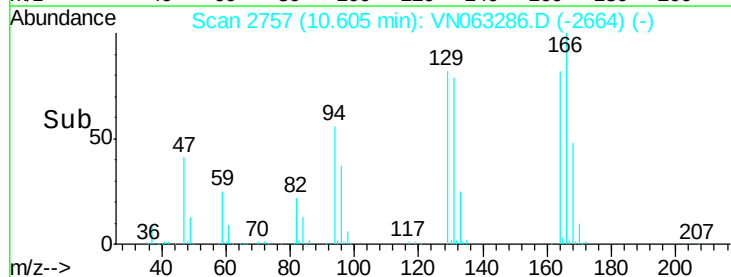
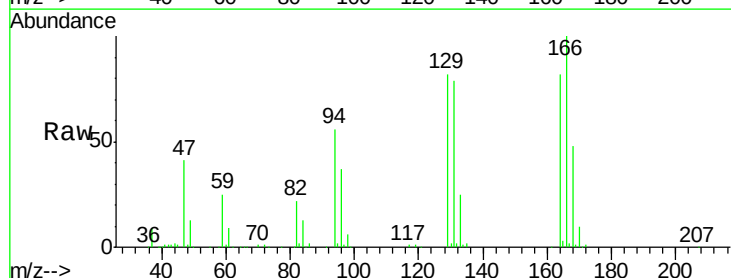
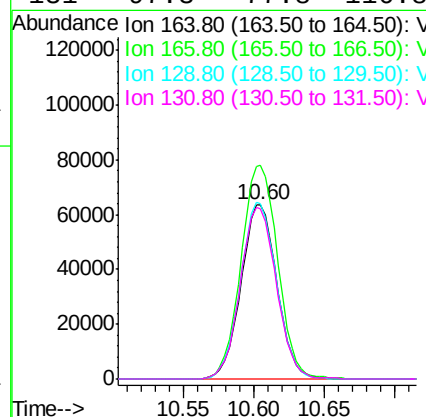
Manual Integrations
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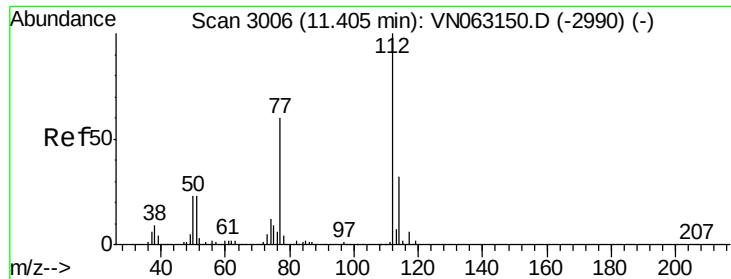
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#64
Tetrachloroethene
Concen: 21.022 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.4	155.2
129	100.4	83.4	125.0
131	97.3	77.8	116.8





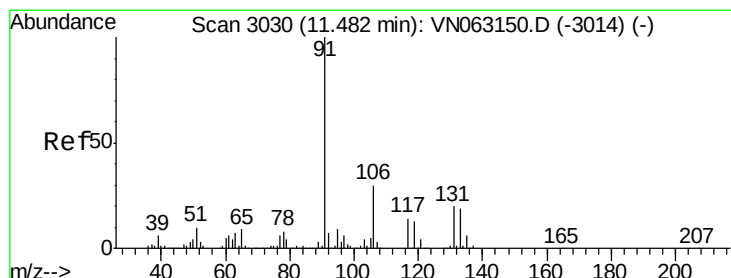
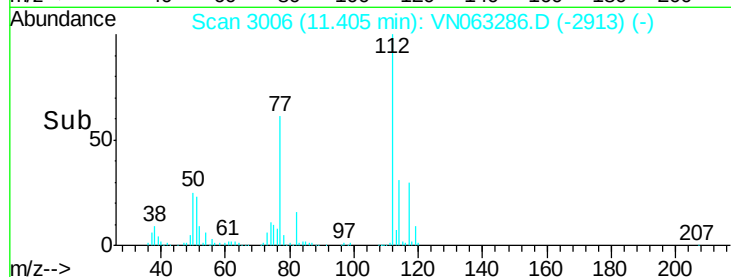
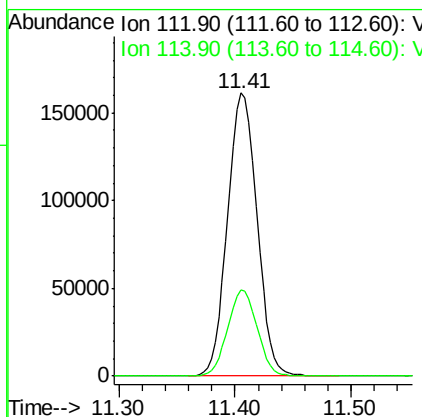
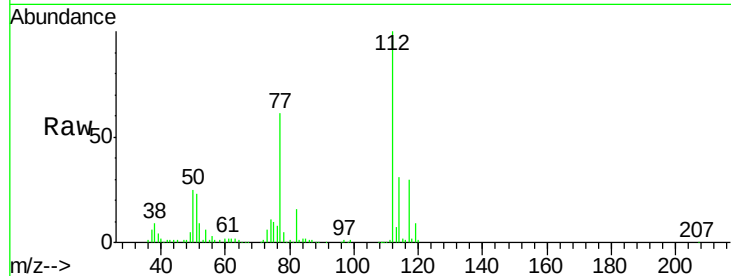
#65
Chlorobenzene
Concen: 18.796 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion:112 Resp: 284735
Ion Ratio Lower Upper
112 100
114 30.5 25.2 37.8

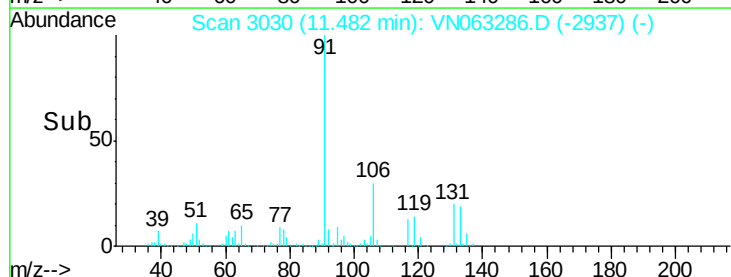
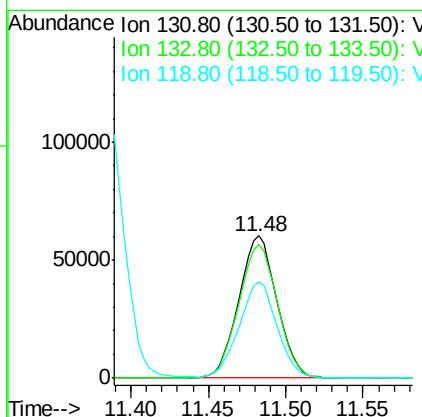
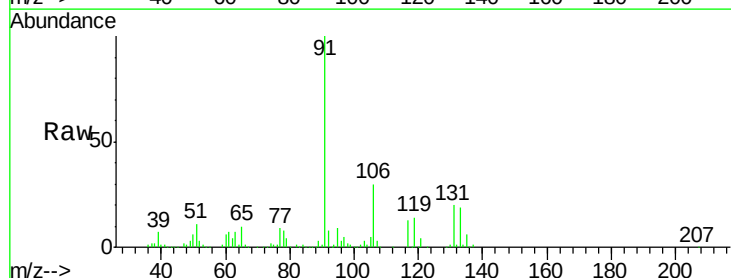
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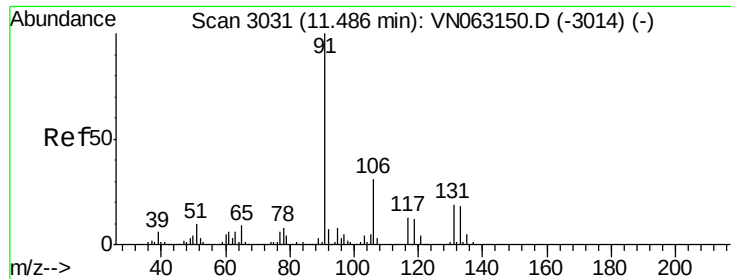
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.372 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion:131 Resp: 103335
Ion Ratio Lower Upper
131 100
133 96.0 47.3 142.0
119 67.7 32.4 97.0





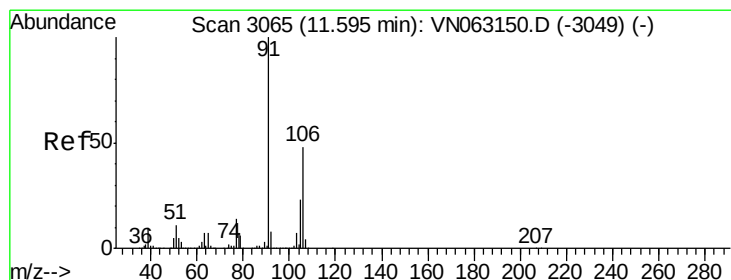
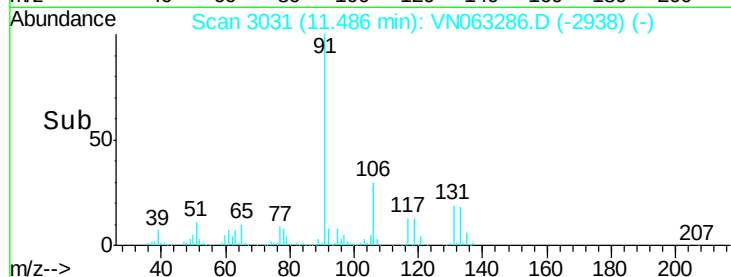
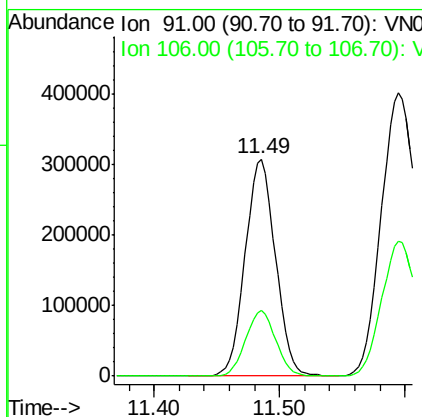
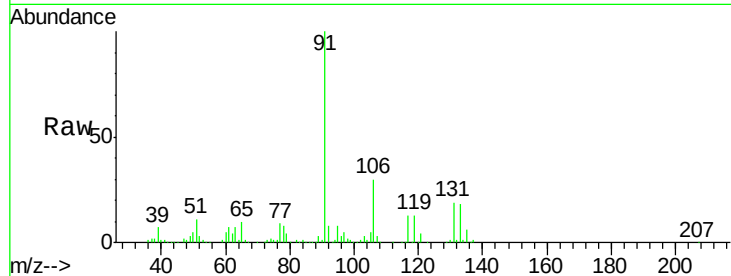
#67
Ethyl Benzene
Concen: 18.735 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion: 91 Resp: 517767
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6

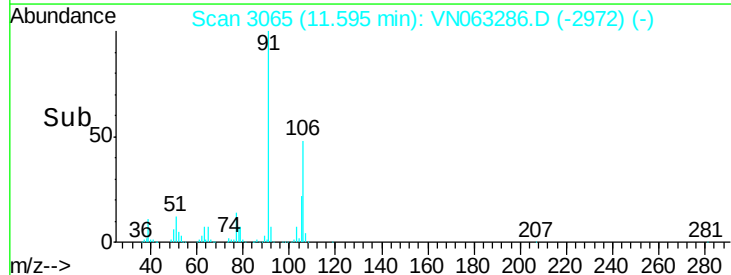
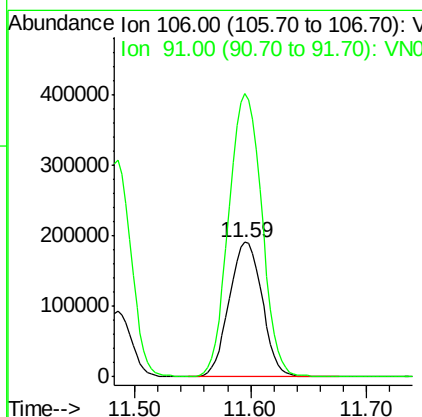
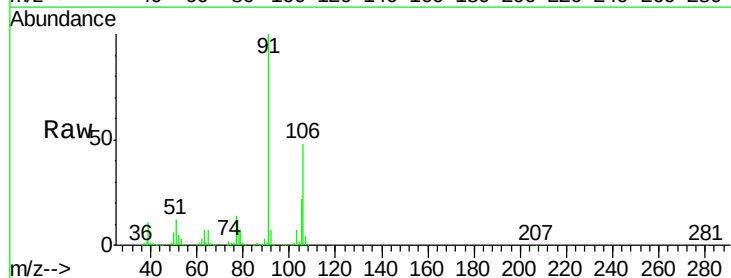
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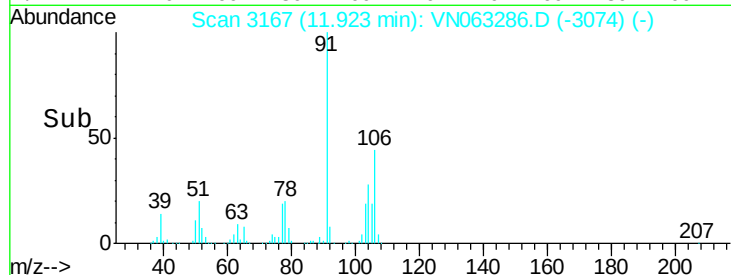
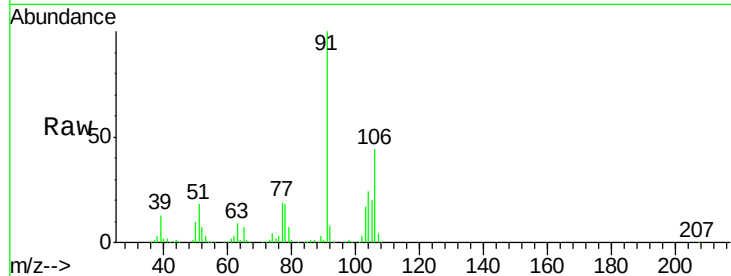
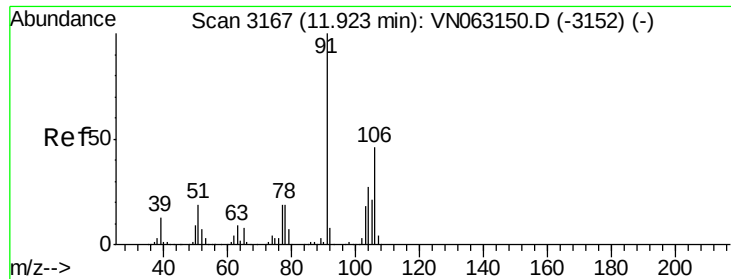
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#68
m/p-Xylenes
Concen: 36.682 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion: 106 Resp: 375453
Ion Ratio Lower Upper
106 100
91 211.6 166.7 250.1





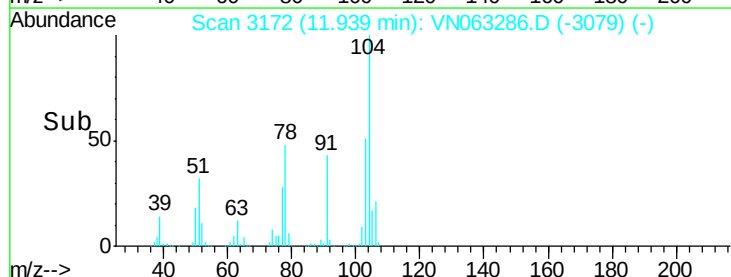
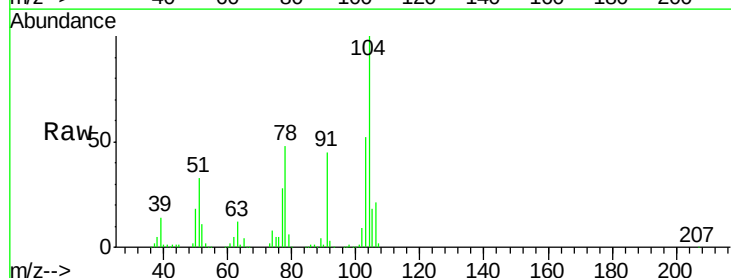
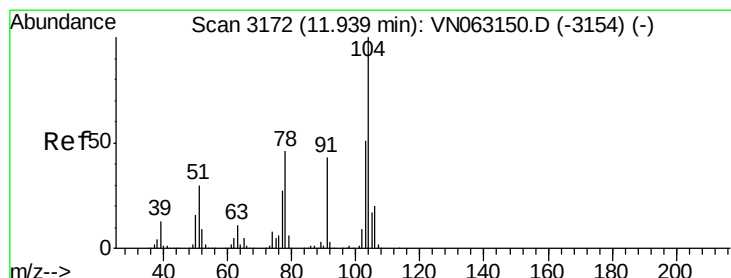
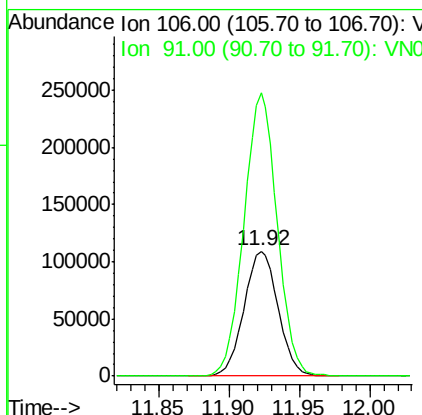
#69
o-Xylene
Concen: 18.683 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tot Ion:106 Resp: 184734
Ion Ratio Lower Upper
106 100
91 221.2 108.6 325.6

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

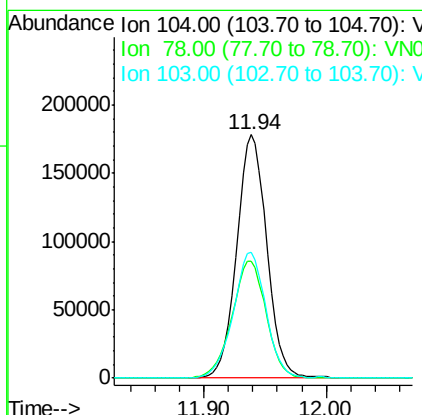
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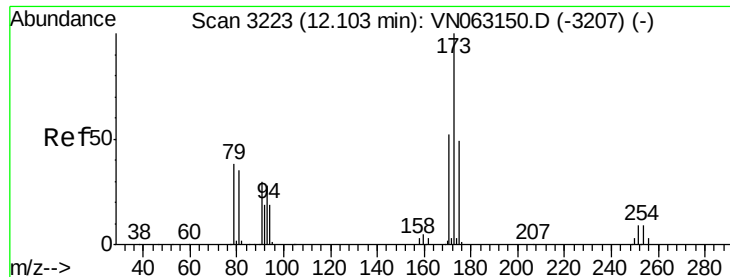
MMDadoda
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#70
Styrene
Concen: 17.851 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion:104 Resp: 303339
Ion Ratio Lower Upper
104 100
78 54.8 41.0 61.6
103 56.3 43.8 65.8





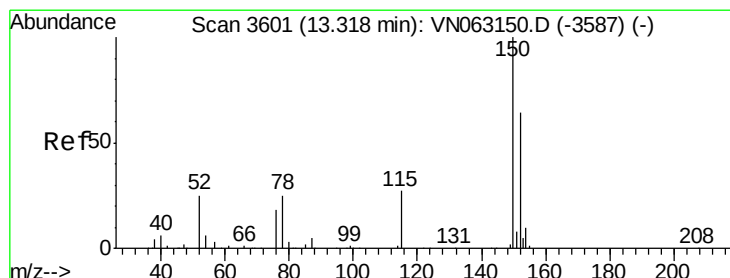
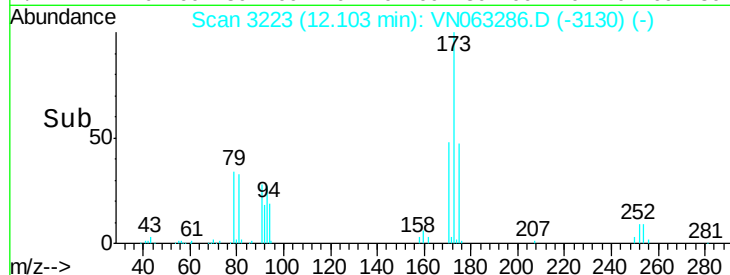
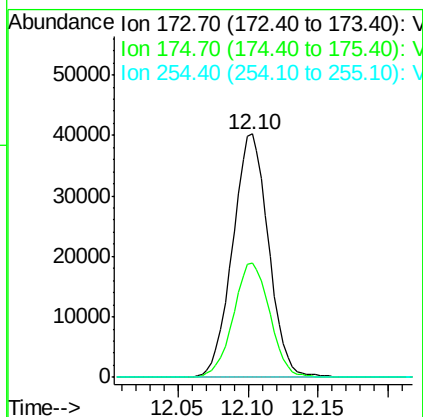
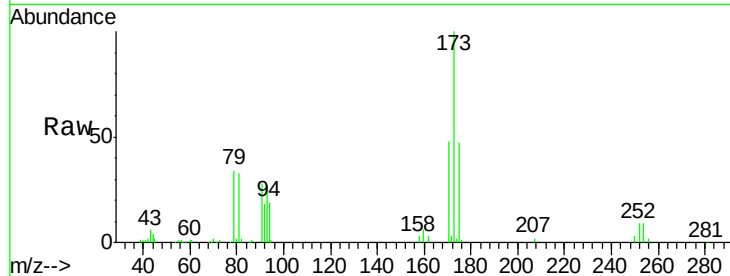
#71
Bromoform
Concen: 18.797 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	0.0	0.0	0.0

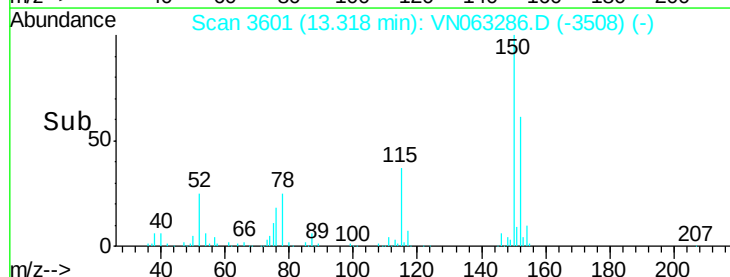
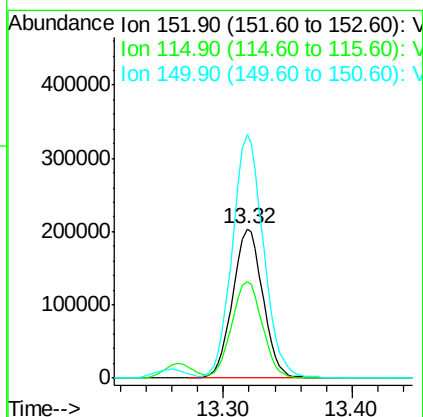
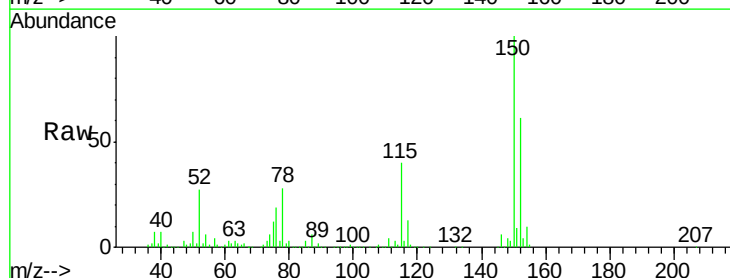
Manual Integrations
APPROVED

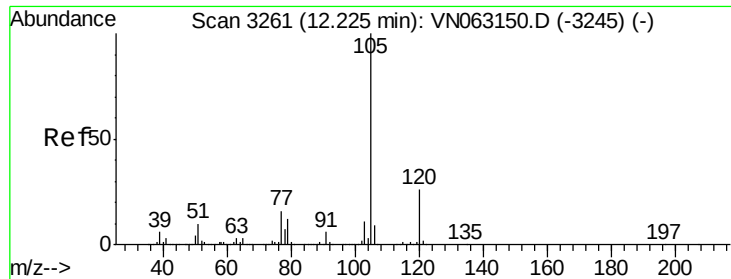
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	32.0	96.2
150	168.1	0.0	353.0





#73

Isopropylbenzene

Concen: 19.259 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion:105 Resp: 491368

Ion Ratio Lower Upper

105 100

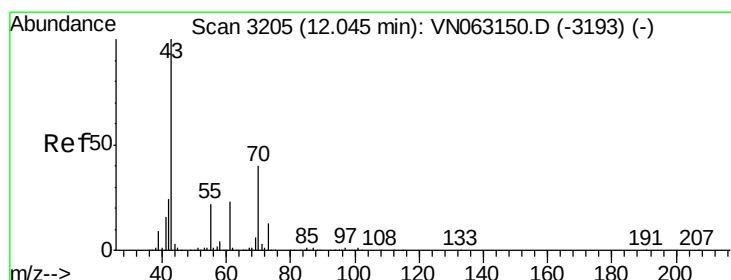
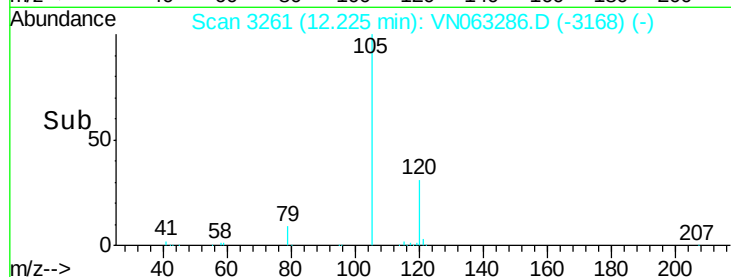
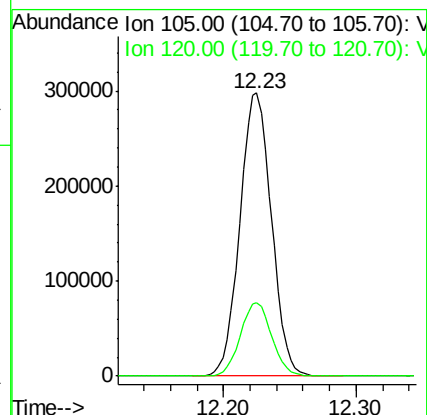
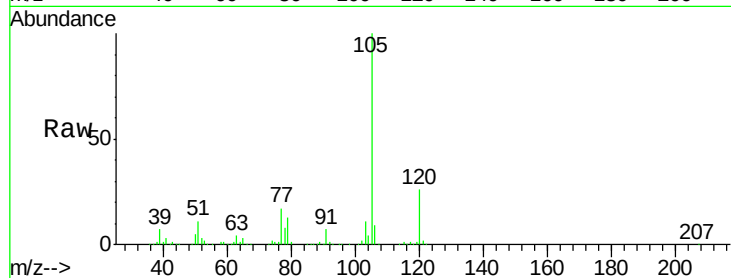
120 25.8 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.415 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion: 43 Resp: 215746

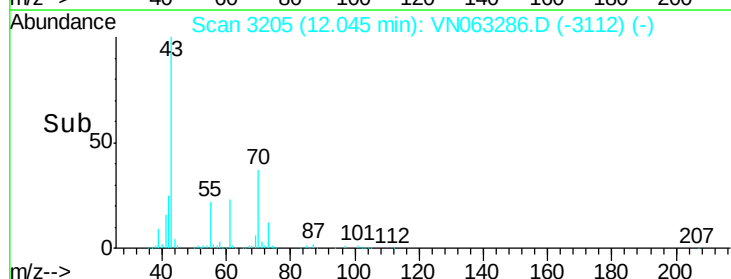
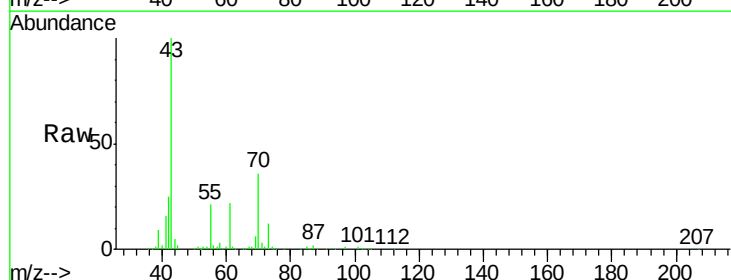
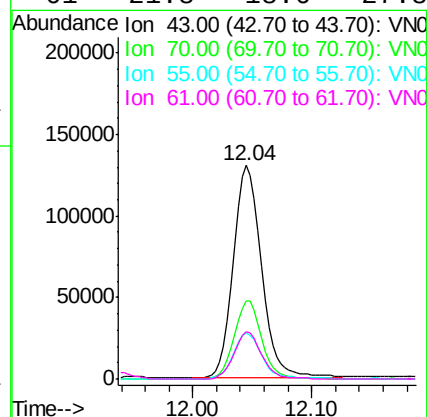
Ion Ratio Lower Upper

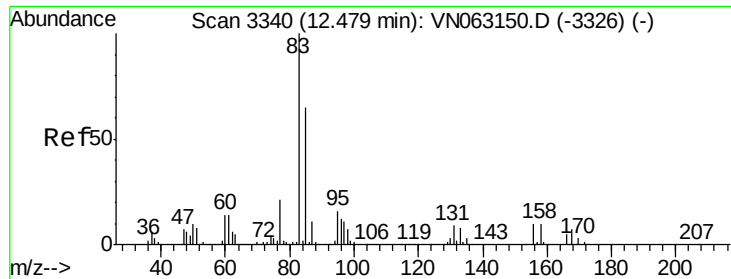
43 100

70 36.1 32.1 48.1

55 21.9 17.4 26.0

61 21.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.883 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

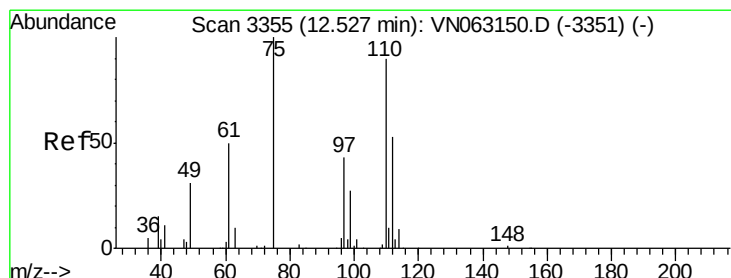
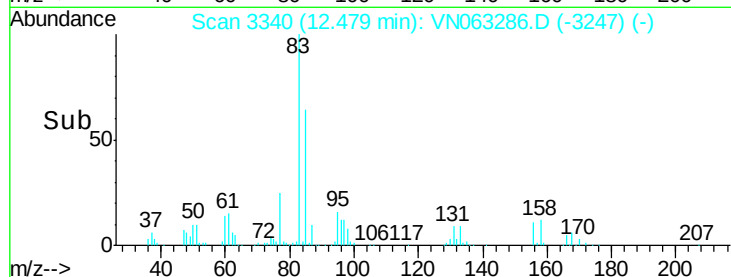
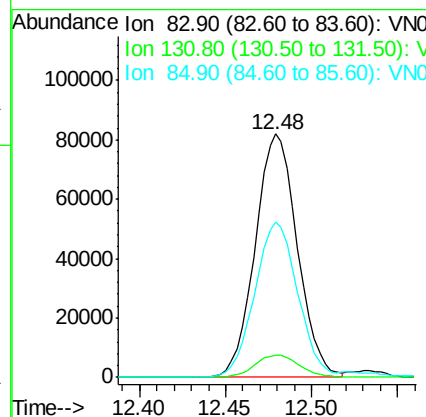
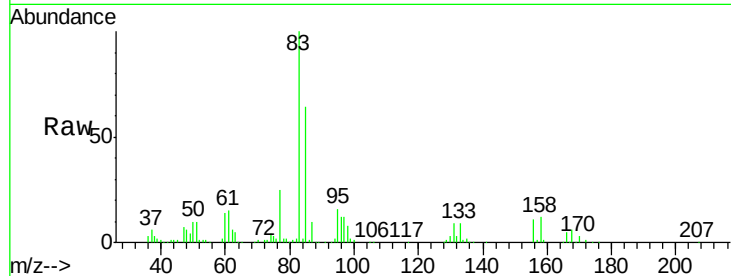
ClientSampleId :

VN0909WBSD01

Tot Ion:	83	Resp:	138893
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.0
85	65.3	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.887 ug/l m

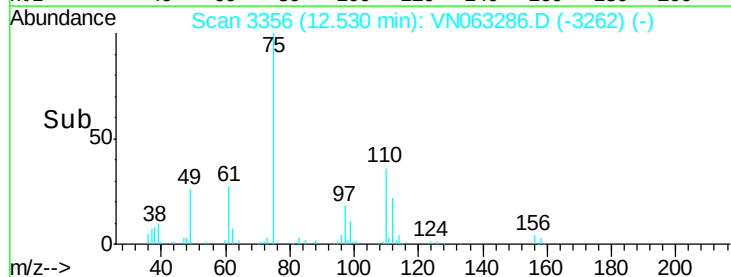
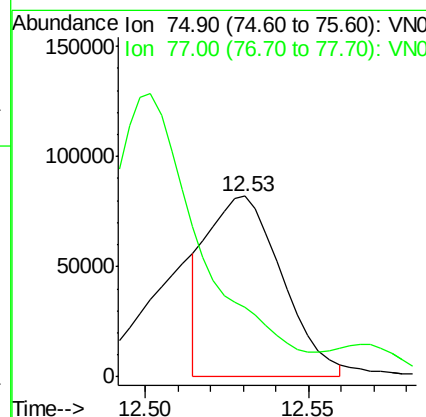
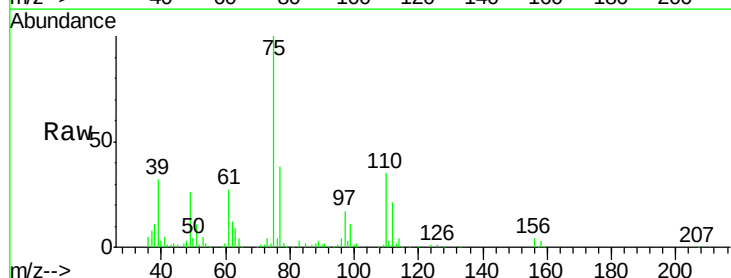
RT: 12.53 min Scan# 3356

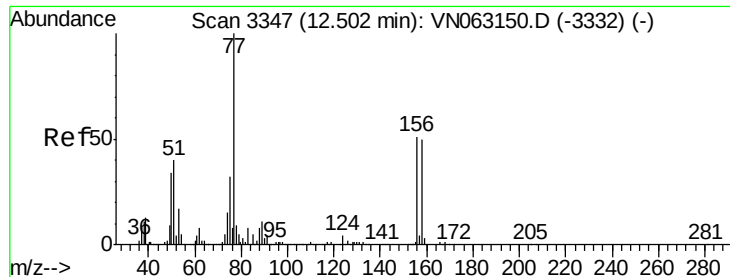
Delta R.T. 0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	75	Resp:	129976
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.323 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion:156 Resp: 111497

Ion Ratio Lower Upper

156 100

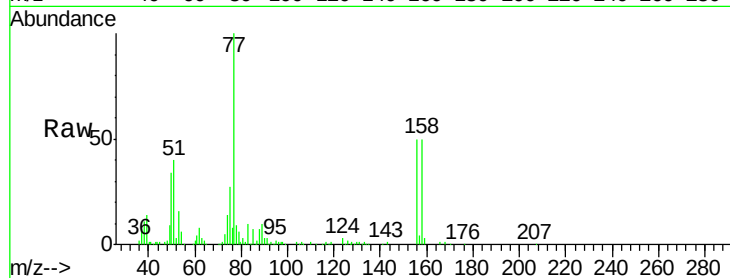
77 235.1 116.1 348.3

158 98.2 48.8 146.4

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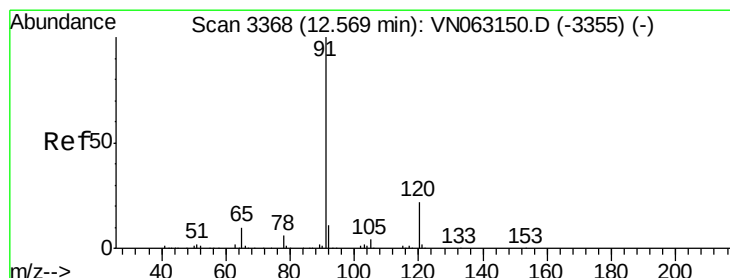
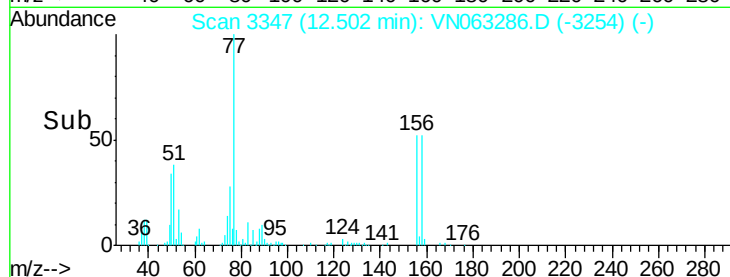
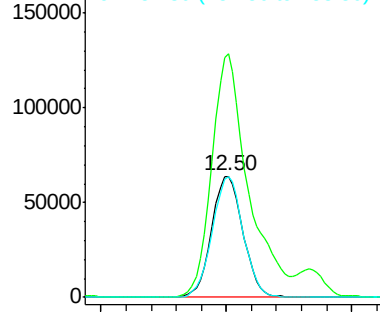
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.160 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063286.D

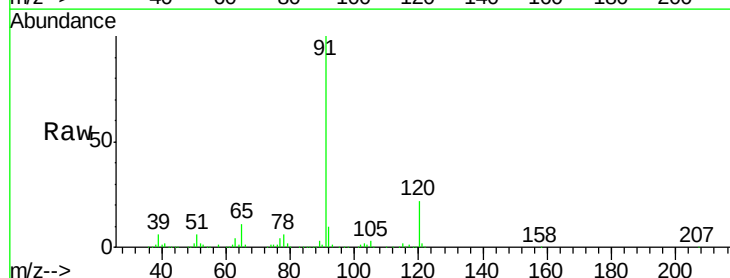
Acq: 9 Sep 2020 16:40

Tgt Ion: 91 Resp: 565653

Ion Ratio Lower Upper

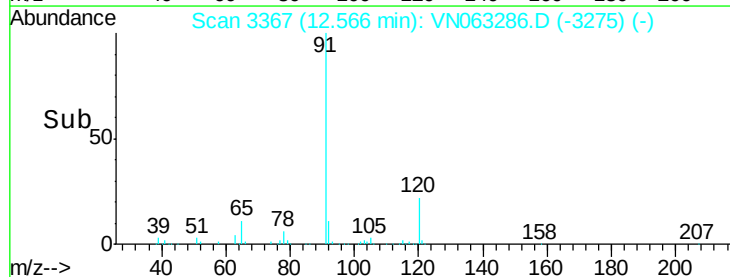
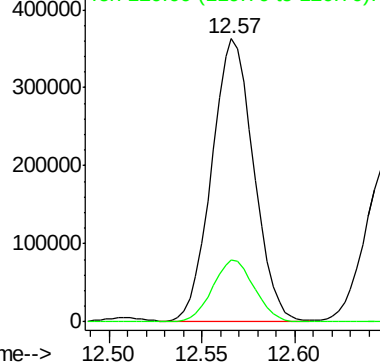
91 100

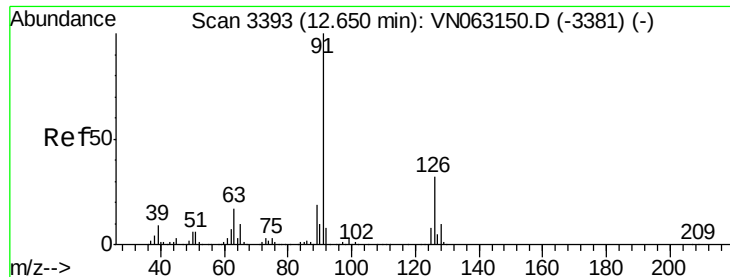
120 22.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.256 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 91 Resp: 340499

Ion Ratio Lower Upper

91 100

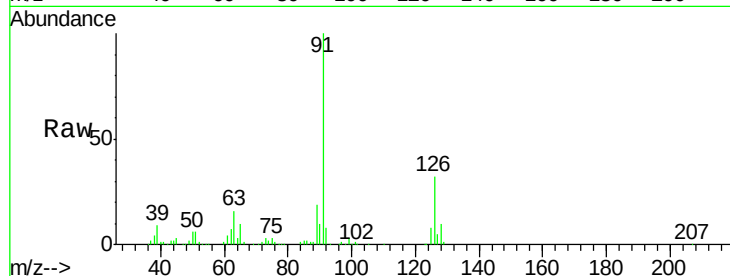
126 32.3 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)

400000

300000

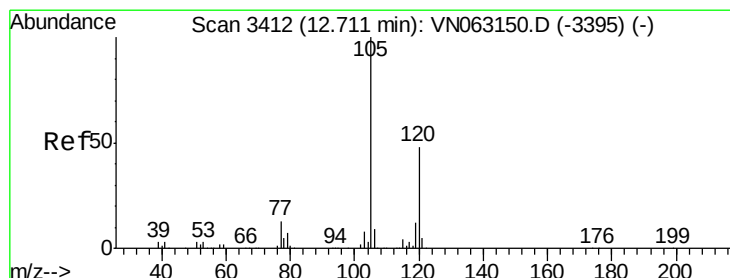
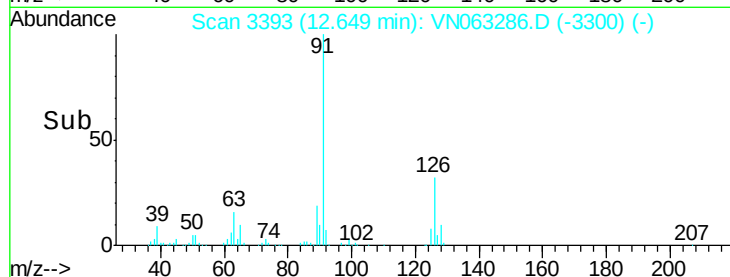
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.417 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063286.D

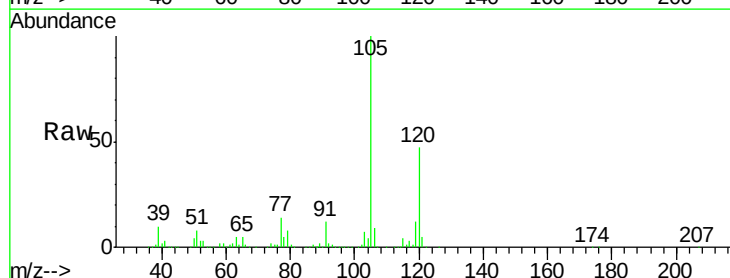
Acq: 9 Sep 2020 16:40

Tgt Ion: 105 Resp: 412347

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)

300000

250000

200000

150000

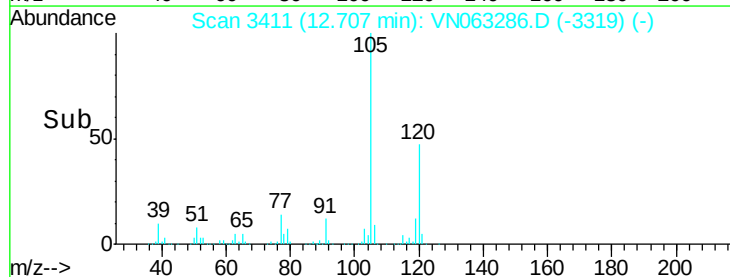
100000

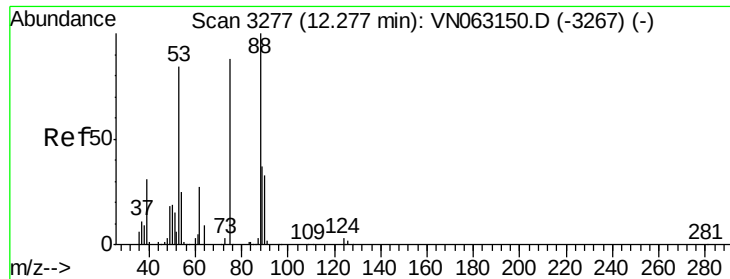
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.721 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 75 Resp: 47920

Ion Ratio Lower Upper

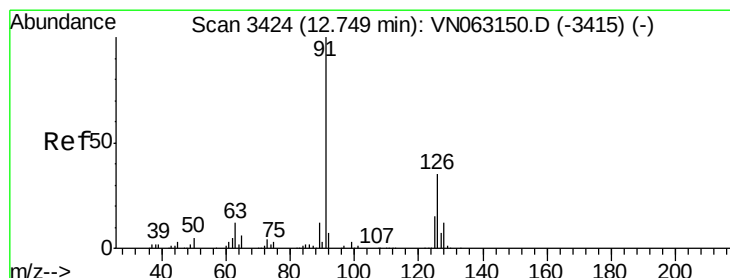
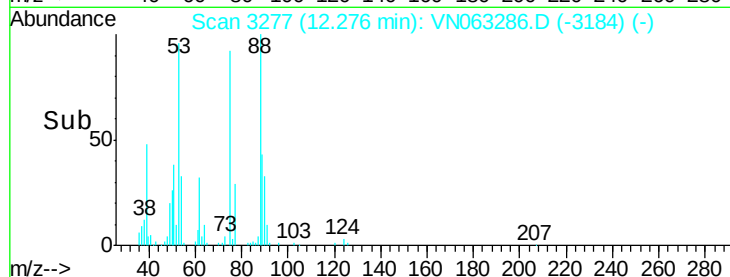
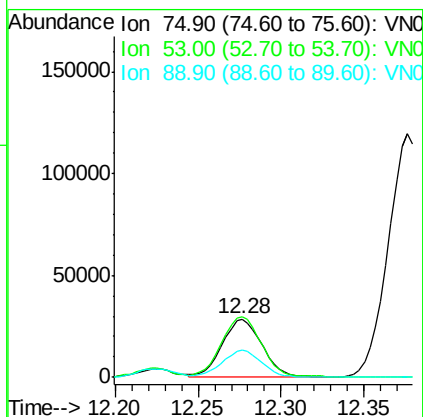
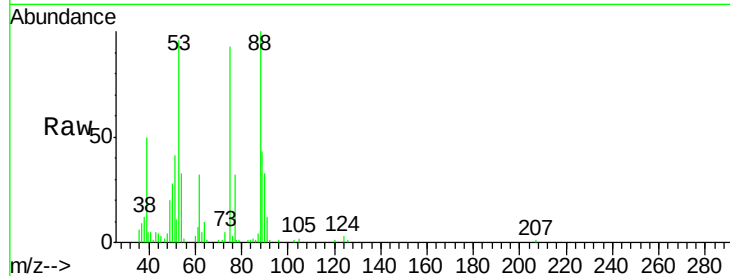
75 100

53 106.4 78.7 118.1

89 46.1 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.218 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. -0.00 min

Lab File: VN063286.D

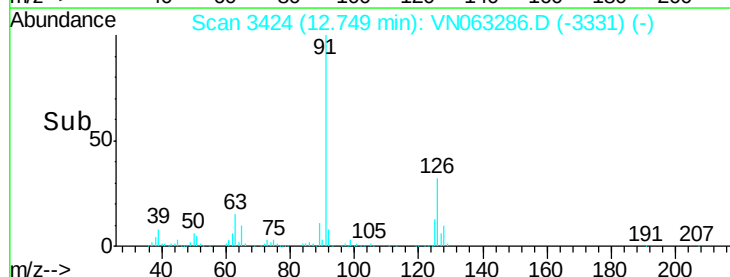
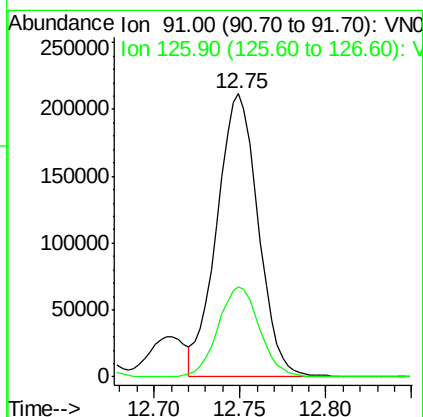
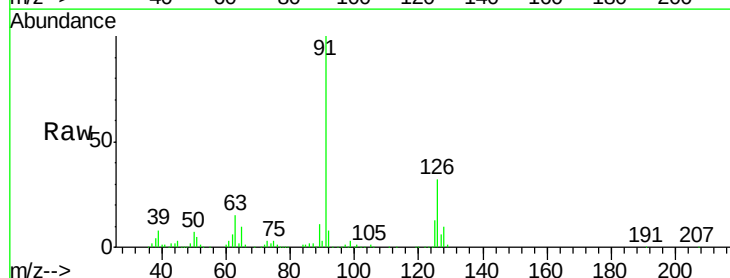
Acq: 9 Sep 2020 16:40

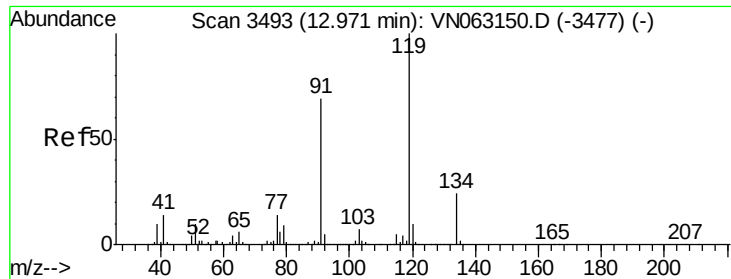
Tgt Ion: 91 Resp: 352432

Ion Ratio Lower Upper

91 100

126 31.9 16.2 48.5





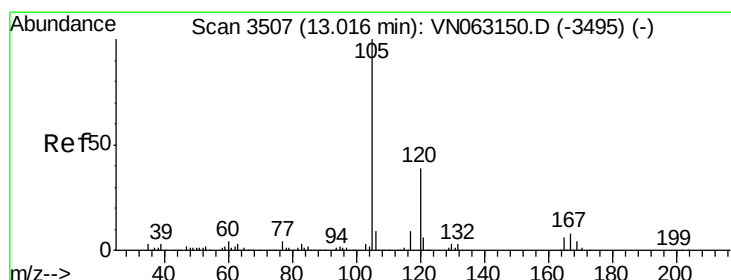
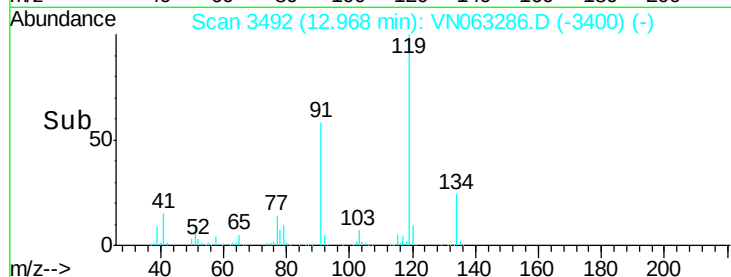
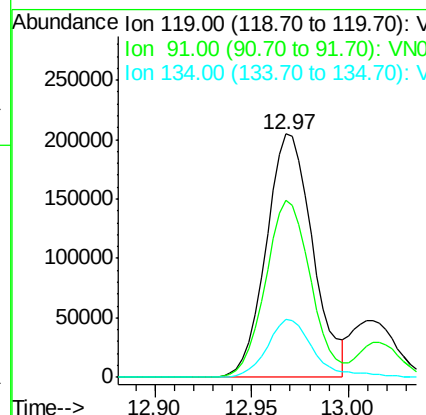
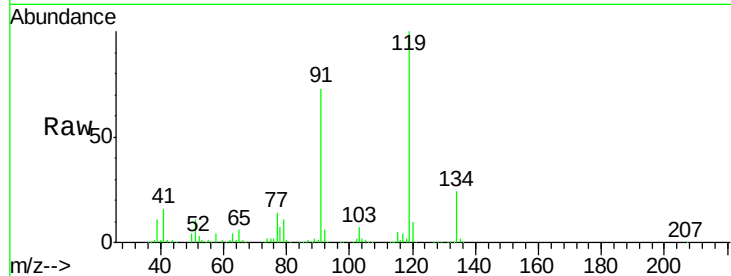
#83
 tert-Butylbenzene
 Concen: 18.749 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	33.7	101.0
134	24.0	12.0	36.0

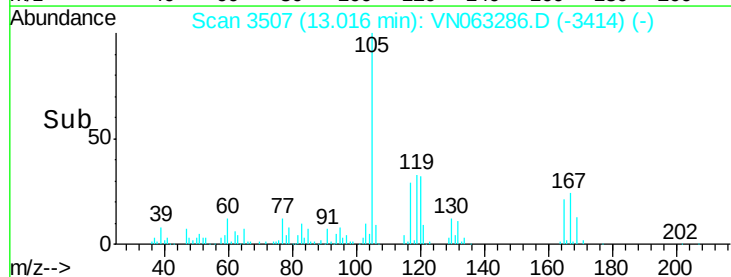
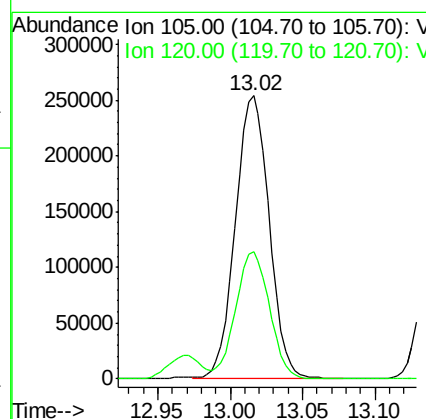
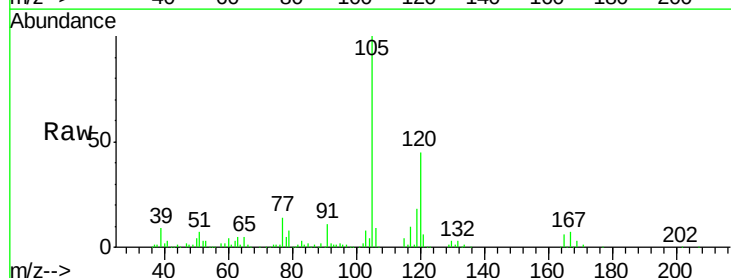
Manual Integrations
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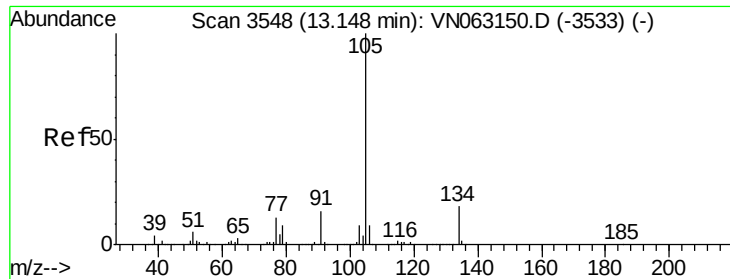
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.077 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 18.909 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion:105 Resp: 448837

Ion Ratio Lower Upper

105 100

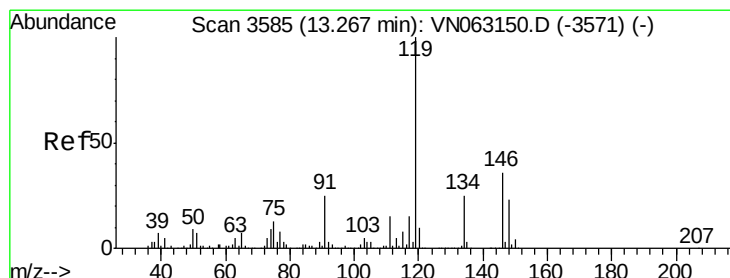
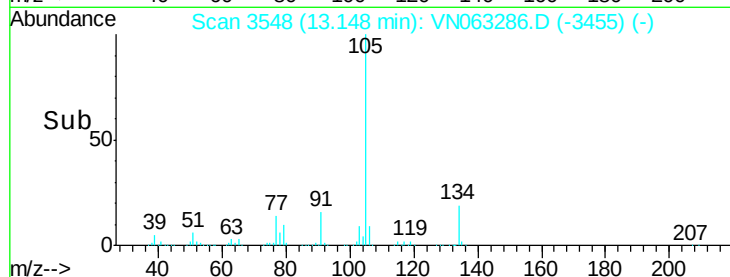
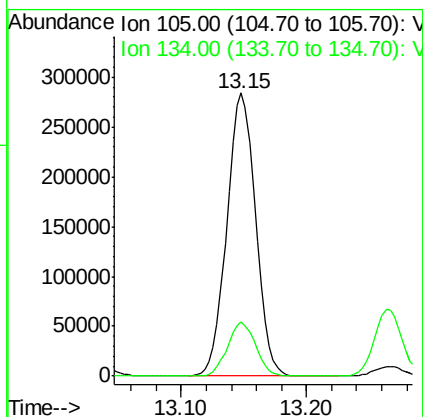
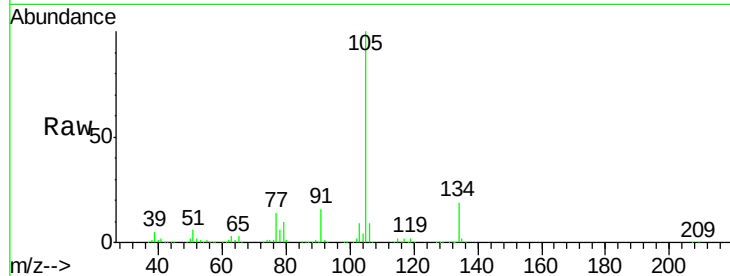
134 18.9 9.4 28.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.928 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

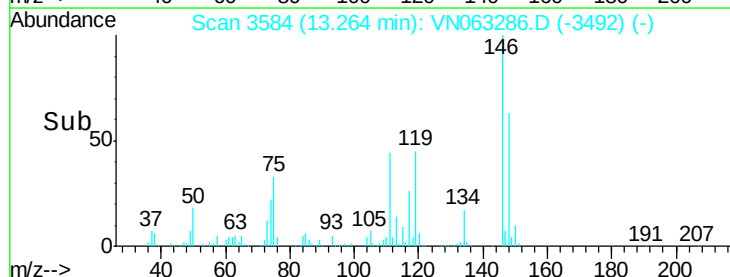
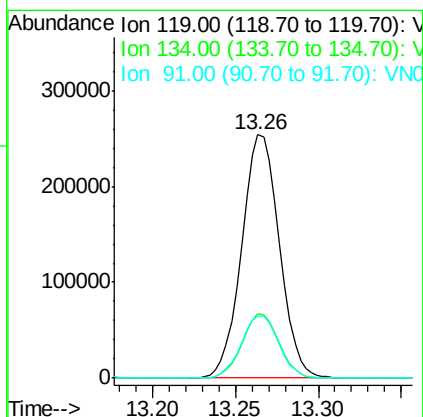
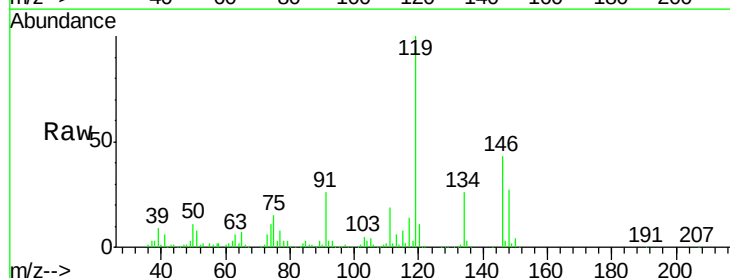
Tgt Ion:119 Resp: 398880

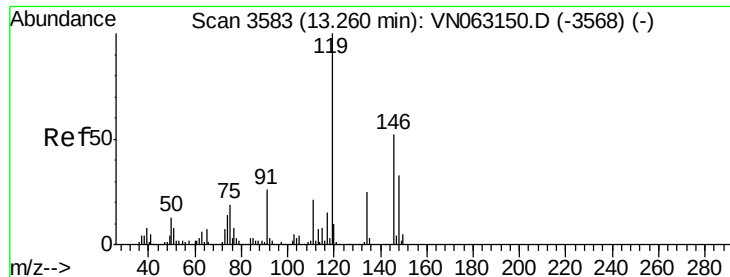
Ion Ratio Lower Upper

119 100

134 25.9 12.4 37.4

91 25.6 12.2 36.6





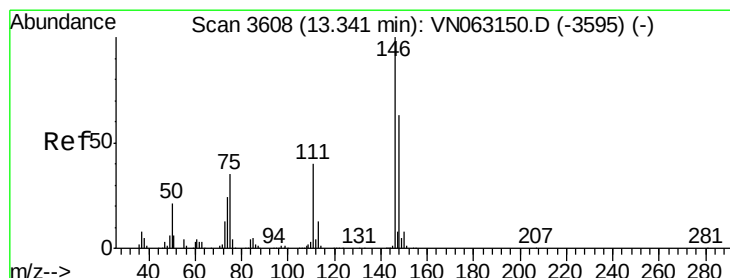
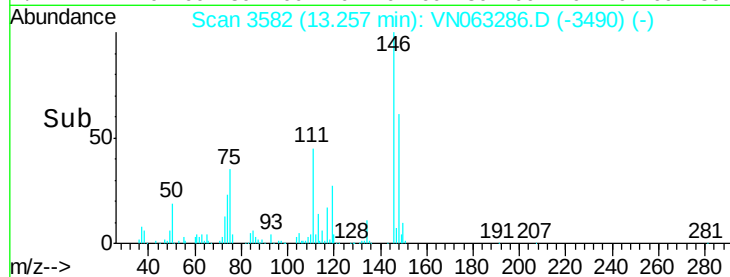
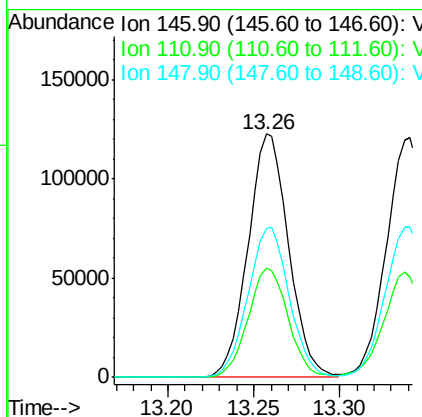
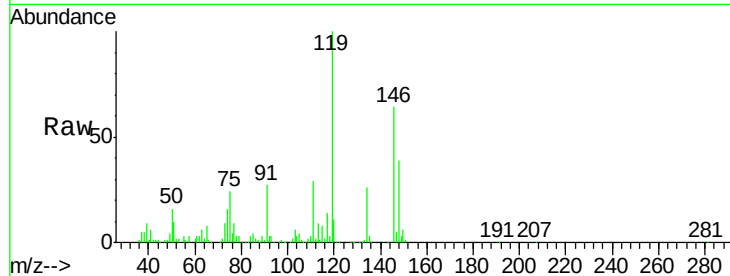
#87
 1,3-Dichlorobenzene
 Concen: 18.916 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.3	63.7
148	62.7	31.9	95.9

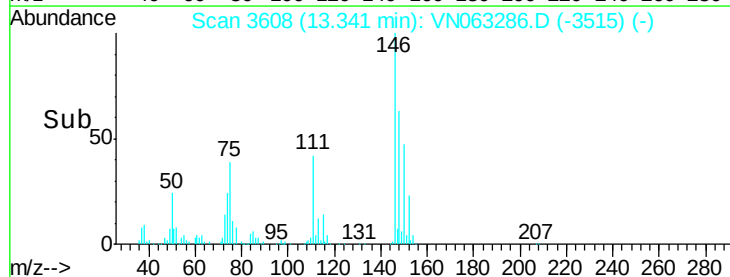
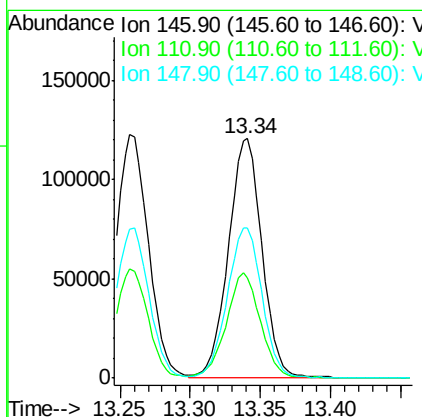
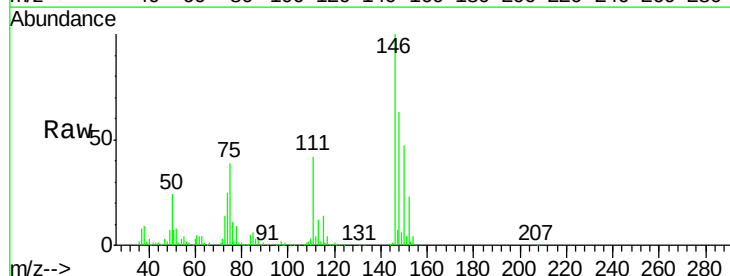
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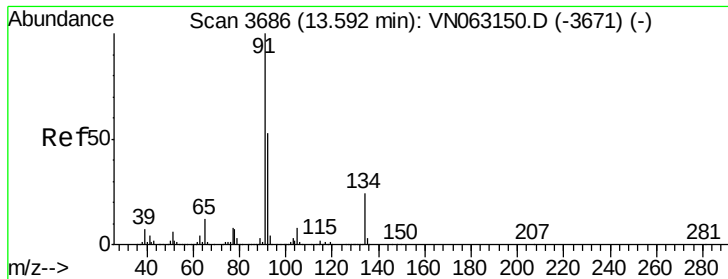
MMDadoda
 9/10/2020 4:04:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.205 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.5	61.5
148	64.4	31.9	95.7





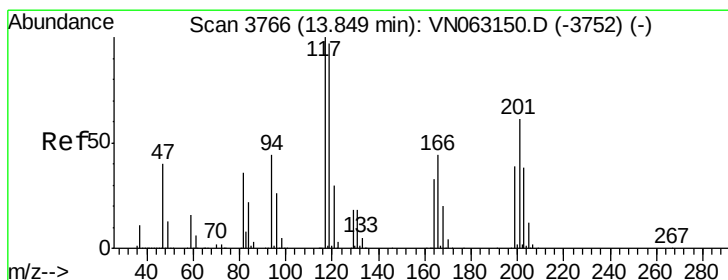
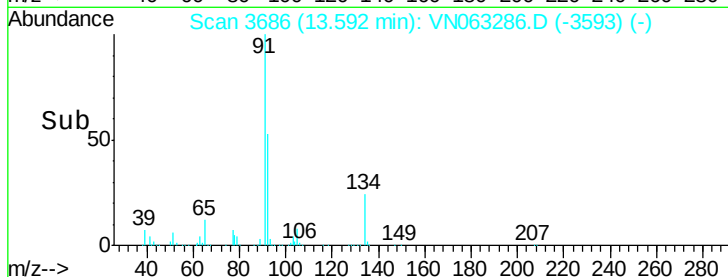
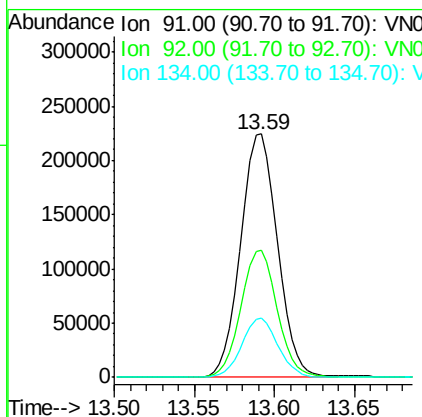
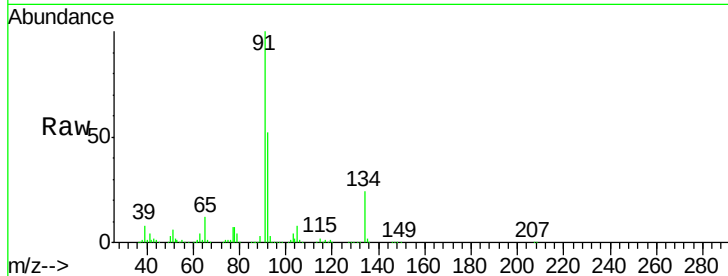
#89
n-Butylbenzene
Concen: 18.125 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.8
134	23.9	12.0	36.0

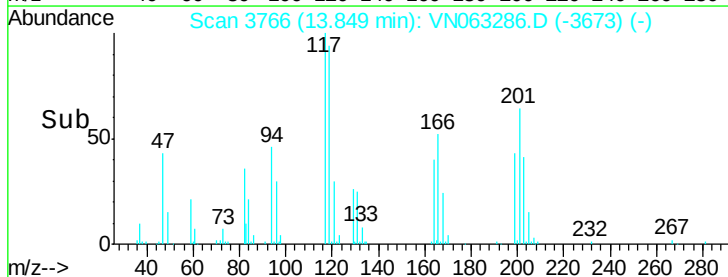
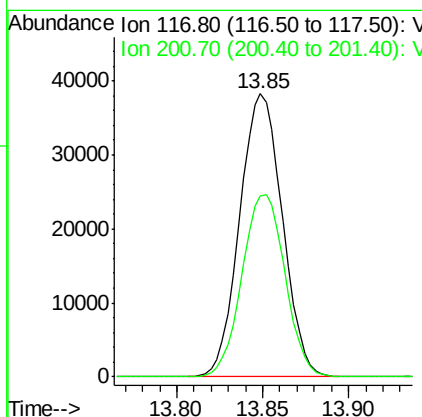
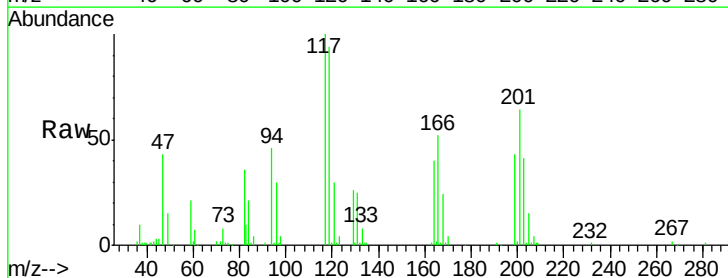
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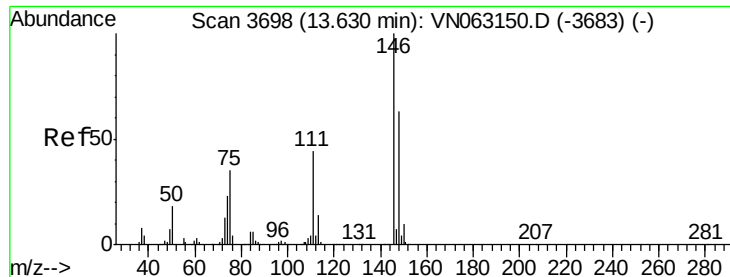
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#90
Hexachloroethane
Concen: 16.907 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063286.D
Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	30.6	92.0





#91

1,2-Dichlorobenzene

Concen: 19.544 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

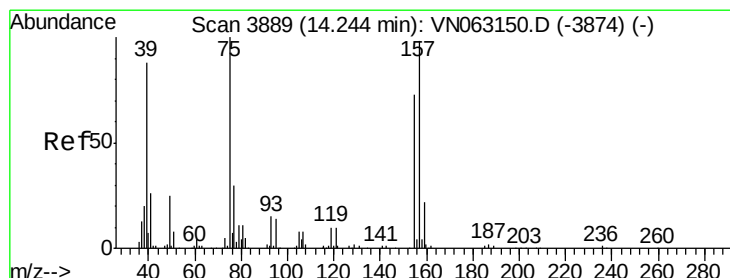
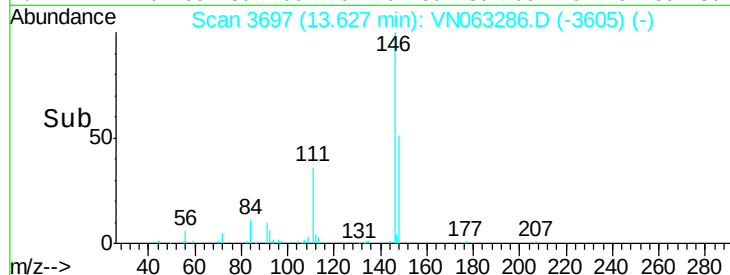
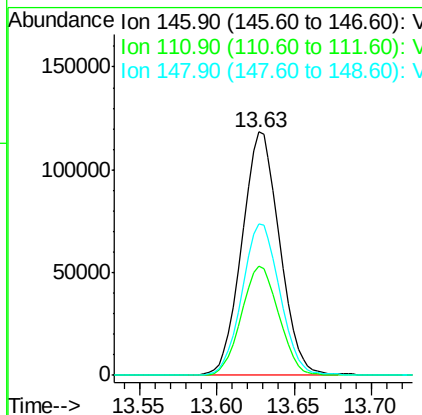
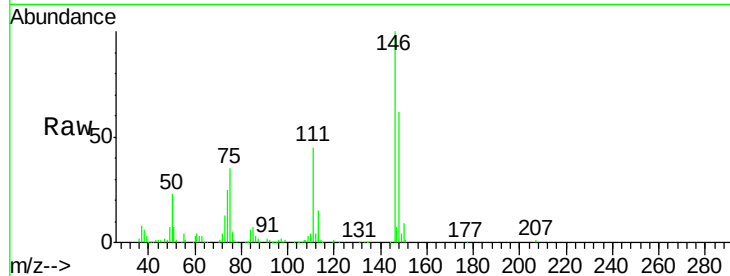
ClientSampleId :

VN0909WBSD01

Tot Ion:	146	Resp:	201035
Ion Ratio		Lower	Upper
146	100		
111	44.5	22.0	66.0
148	62.6	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.122 ug/l

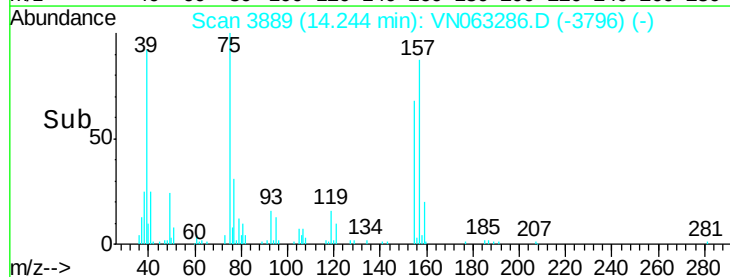
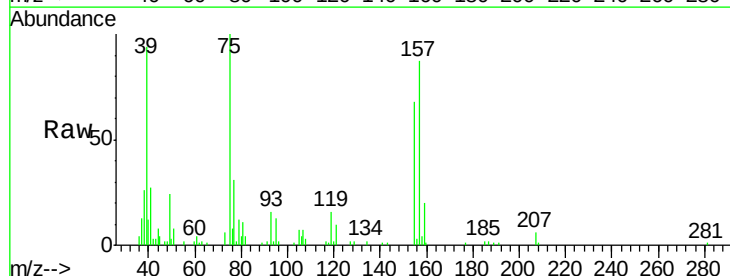
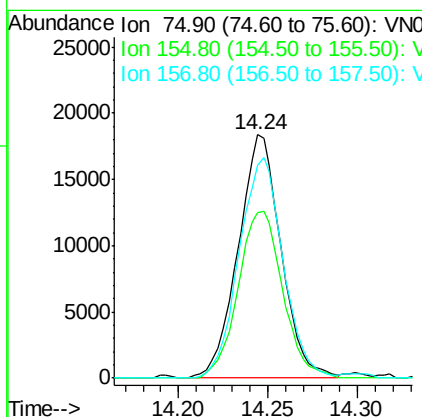
RT: 14.24 min Scan# 3889

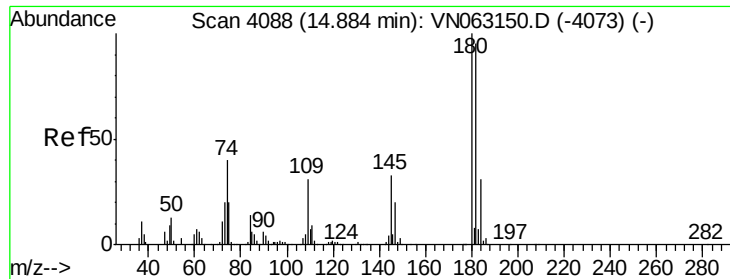
Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	75	Resp:	30923
Ion Ratio		Lower	Upper
75	100		
155	70.9	36.1	108.5
157	92.7	48.4	145.0





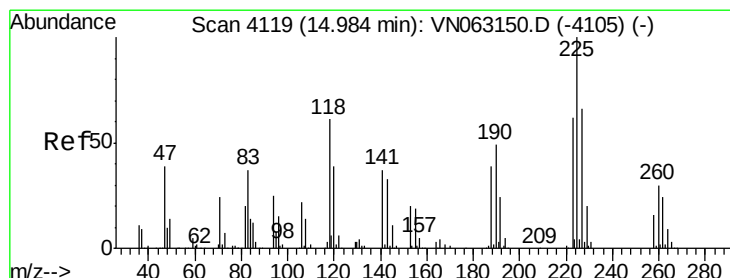
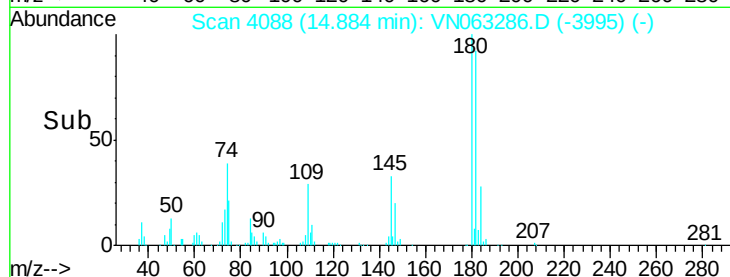
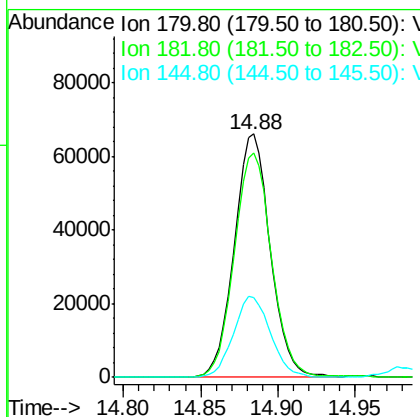
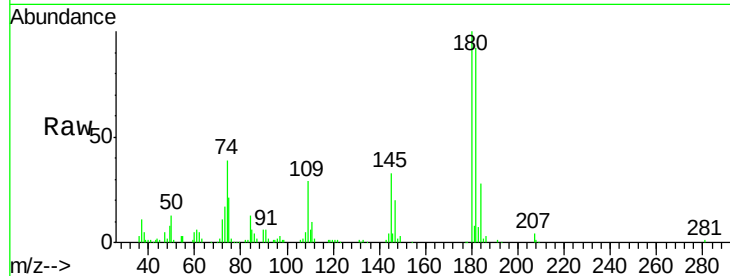
#93
 1,2,4-Trichlorobenzene
 Concen: 18.583 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106794		
182	95.4	47.5	142.5	
145	34.2	16.6	49.8	

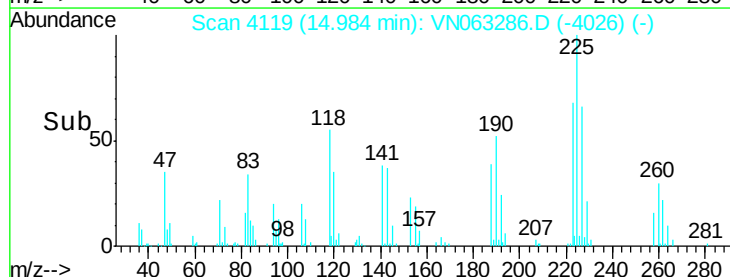
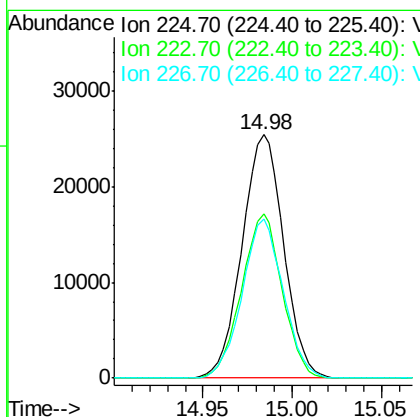
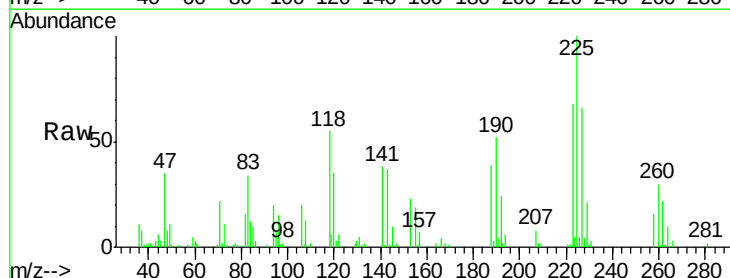
Manual Integrations
 APPROVED

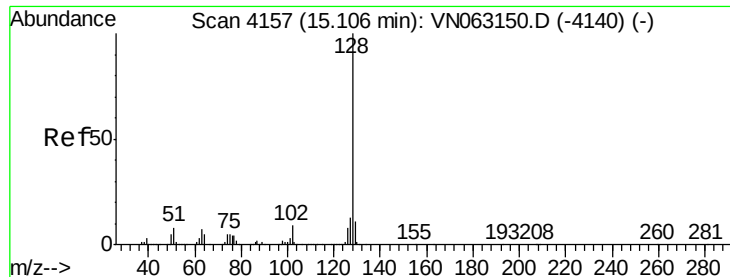
MMDadoda
 9/10/2020 4:04:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.334 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063286.D
 Acq: 9 Sep 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41506		
223	65.6	30.9	92.7	
227	64.5	32.9	98.7	





#95

Naphthalene

Concen: 17.936 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Instrument :

MSVOA_N

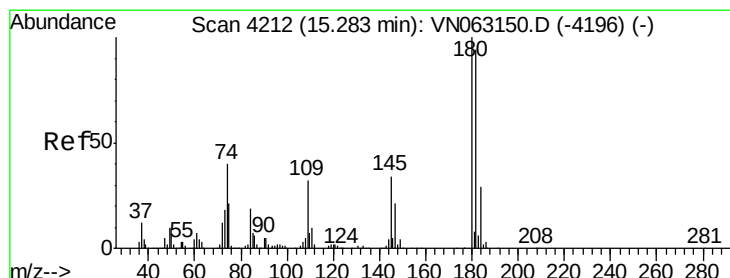
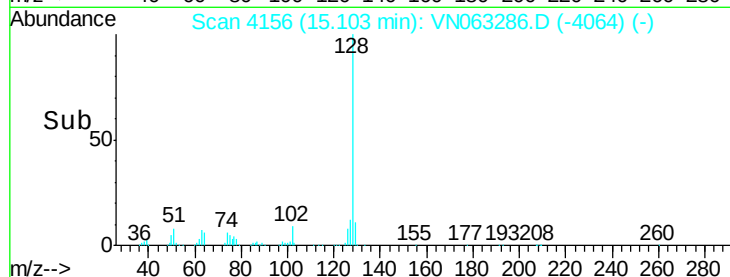
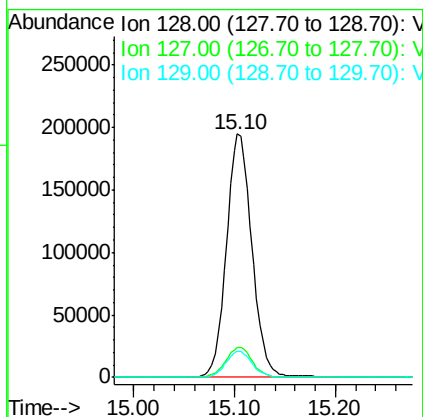
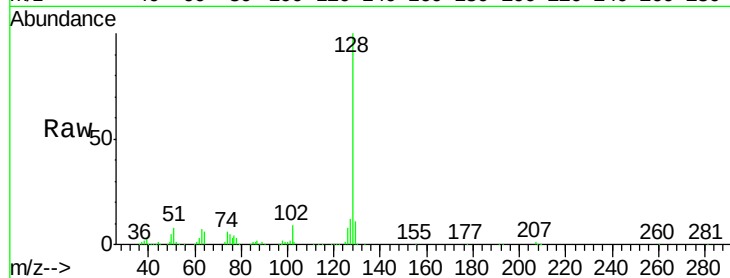
ClientSampleId :

VN0909WBSD01

Tot Ion:	128	Resp:	343891
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/10/2020 4:04:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.412 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063286.D

Acq: 9 Sep 2020 16:40

Tgt Ion:	180	Resp:	103089
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.5
145	35.1	17.3	52.0

