

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063984.D
 Acq On : 8 Oct 2020 12:31
 Operator : JC/MD
 Sample : VN1008WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Manual Integrations
 APPROVED

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 10/9/2020 4:32:06 PM

Quant Time: Oct 09 04:36:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	268121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	216113	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	7.55	113	152853	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.06	98	549097	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.38	95	203685	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45976	16.251	ug/l	98
3) Chloromethane	2.04	50	57911	17.445	ug/l	100
4) Vinyl Chloride	2.17	62	55438	16.637	ug/l	100
5) Bromomethane	2.54	94	33881	16.165	ug/l	95
6) Chloroethane	2.68	64	36536	18.349	ug/l	99
7) Trichlorofluoromethane	2.99	101	95005	17.977	ug/l	97
8) Diethyl Ether	3.37	74	33783	18.902	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52916	18.734	ug/l	97
10) Methyl Iodide	3.91	142	52443	15.990	ug/l	98
11) Tert butyl alcohol	4.73	59	47672	97.482	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	47095	17.443	ug/l	99
13) Acrolein	3.57	56	30950	103.117	ug/l	96
14) Allyl chloride	4.28	41	92715	18.484	ug/l	96
15) Acrylonitrile	4.93	53	142927	102.103	ug/l	100
16) Acetone	3.77	43	137125	100.564	ug/l	99
17) Carbon Disulfide	4.01	76	124848	17.569	ug/l	98
18) Methyl Acetate	4.28	43	76086	21.491	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	187383	19.103	ug/l	100
20) Methylene Chloride	4.51	84	62494	20.068	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	53106	17.560	ug/l	97
22) Diisopropyl ether	5.90	45	214036	20.740	ug/l	94
23) Vinyl Acetate	5.84	43	860876	100.703	ug/l	98
24) 1,1-Dichloroethane	5.80	63	111828	18.952	ug/l	98
25) 2-Butanone	6.78	43	199568	103.233	ug/l	98
26) 2,2-Dichloropropane	6.77	77	97939	18.124	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66198	19.033	ug/l	98
28) Bromochloromethane	7.15	49	52369	17.957	ug/l	97
29) Tetrahydrofuran	7.16	42	136051	104.931	ug/l	94
30) Chloroform	7.33	83	120426	19.573	ug/l	94
31) Cyclohexane	7.61	56	90064	17.514	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	102899	18.542	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80881	18.521	ug/l	100
37) Ethyl Acetate	6.88	43	81489	18.782	ug/l	99
38) Carbon Tetrachloride	7.73	117	90836	18.549	ug/l	95

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	75482	17.332	ug/l	97
40) Benzene	8.00	78	240283	19.264	ug/l	99
41) Methacrylonitrile	7.13	41	37327m	19.357	ug/l	
42) 1,2-Dichloroethane	8.09	62	103574	19.453	ug/l	99
43) Isopropyl Acetate	8.13	43	146466	20.466	ug/l #	90
44) Trichloroethene	8.80	130	61176	18.719	ug/l	99
45) 1,2-Dichloropropane	9.08	63	68351	20.290	ug/l	98
46) Dibromomethane	9.17	93	45152	19.430	ug/l	98
47) Bromodichloromethane	9.37	83	93966	19.620	ug/l	94
48) Methyl methacrylate	9.16	41	68869	19.478	ug/l	94
49) 1,4-Dioxane	9.17	88	18078	359.753	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	442697	105.410	ug/l	100
52) Toluene	10.13	92	153084	19.842	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	99593	19.399	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	105504	19.650	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62967	20.351	ug/l	95
56) Ethyl methacrylate	10.40	69	85294	19.448	ug/l	95
57) 1,3-Dichloropropane	10.68	76	106588	20.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	220218	93.871	ug/l	100
59) 2-Hexanone	10.72	43	316579	101.472	ug/l	99
60) Dibromochloromethane	10.87	129	68696	19.065	ug/l	95
61) 1,2-Dibromoethane	10.98	107	64124	20.260	ug/l	97
64) Tetrachloroethene	10.60	164	57743	18.413	ug/l	98
65) Chlorobenzene	11.41	112	162576	19.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	62449	19.591	ug/l	96
67) Ethyl Benzene	11.49	91	284204	18.784	ug/l	98
68) m/p-Xylenes	11.59	106	213055	37.783	ug/l	99
69) o-Xylene	11.92	106	101776	19.310	ug/l	98
70) Styrene	11.94	104	167979	18.776	ug/l	99
71) Bromoform	12.10	173	46859	19.220	ug/l #	96
73) Isopropylbenzene	12.23	105	265835	19.643	ug/l	99
74) N-amyl acetate	12.04	43	119644	20.394	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	86548	20.914	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	84722m	20.714	ug/l	
77) Bromobenzene	12.50	156	68042	20.490	ug/l	97
78) n-propylbenzene	12.57	91	305850	19.419	ug/l	100
79) 2-Chlorotoluene	12.65	91	193824	20.010	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	222809	19.624	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	28022	19.732	ug/l	96
82) 4-Chlorotoluene	12.75	91	198627	19.753	ug/l	96
83) tert-Butylbenzene	12.97	119	180068	19.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	221843	19.570	ug/l	97
85) sec-Butylbenzene	13.15	105	235573	19.312	ug/l	100
86) p-Isopropyltoluene	13.26	119	207477	19.227	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	118320	19.695	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	120168	19.211	ug/l	98
89) n-Butylbenzene	13.59	91	174697	17.540	ug/l	99
90) Hexachloroethane	13.85	117	40879	19.549	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	118758	19.958	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18749	19.318	ug/l	97

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MSVOA_N
ClientSampleId :
VN1008WBSD01

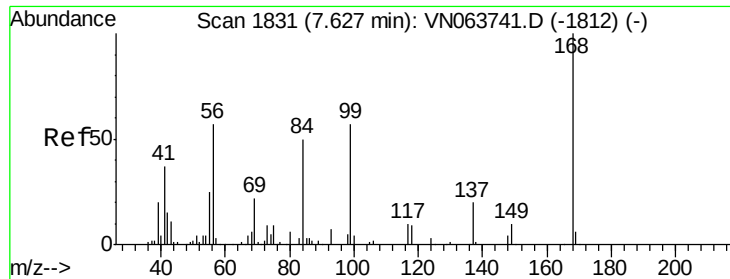
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52648	17.443	ug/l	97
94) Hexachlorobutadiene	14.98	225	34527	21.439	ug/l	97
95) Naphthalene	15.11	128	154025	16.717	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	52926	17.904	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion:168 Resp: 268121

Ion Ratio Lower Upper

168 100

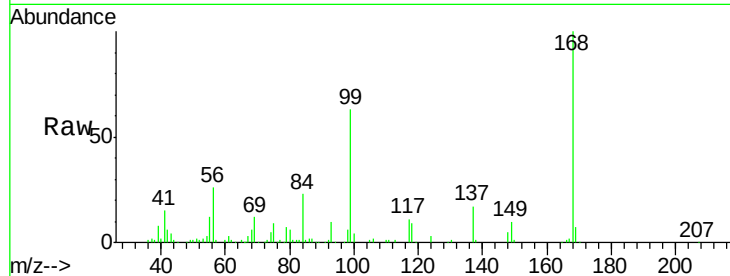
99 63.2 51.8 77.6

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

7.62

120000

100000

80000

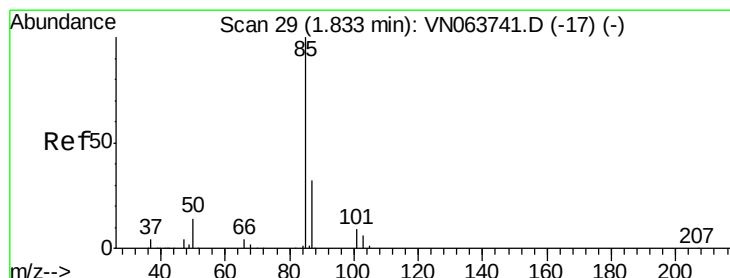
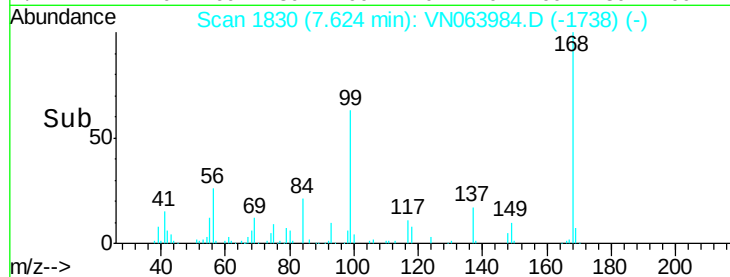
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.251 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063984.D

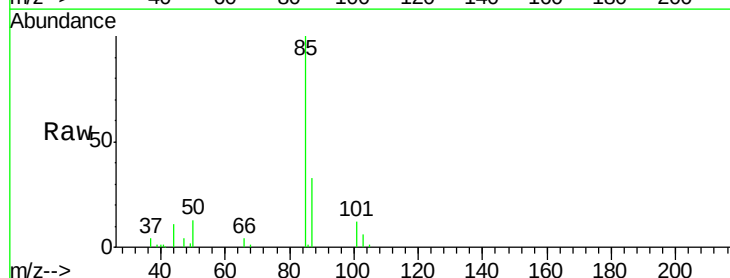
Acq: 8 Oct 2020 12:31

Tgt Ion: 85 Resp: 45976

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

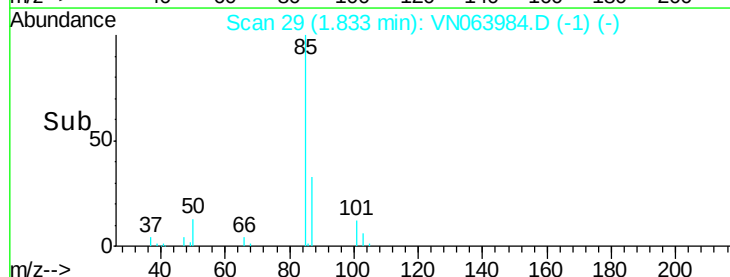
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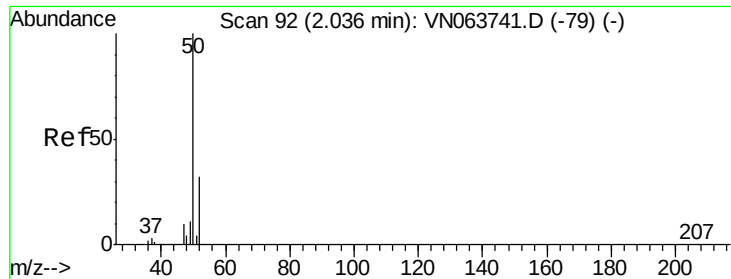
20000

10000

0

Time-->





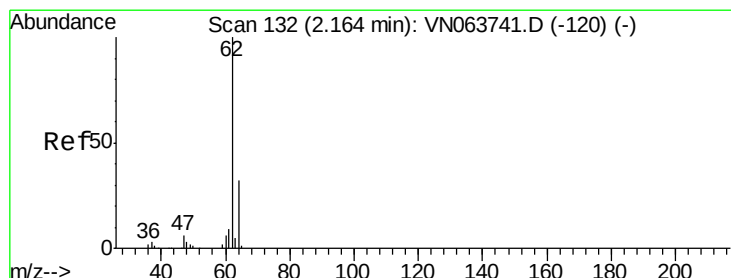
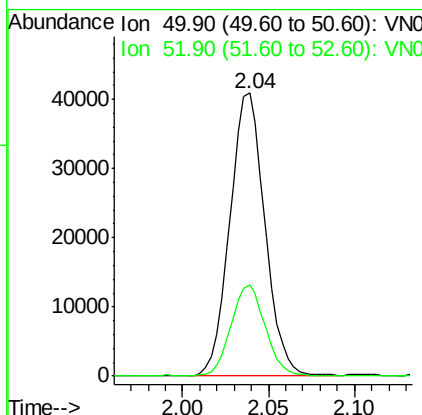
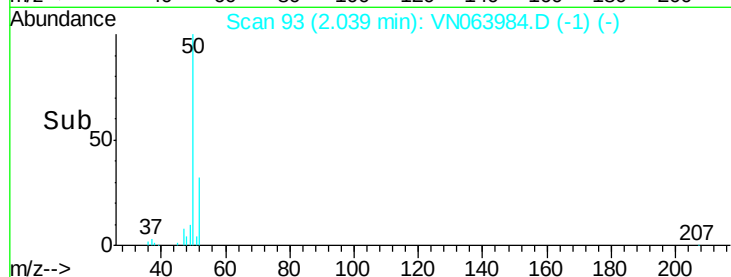
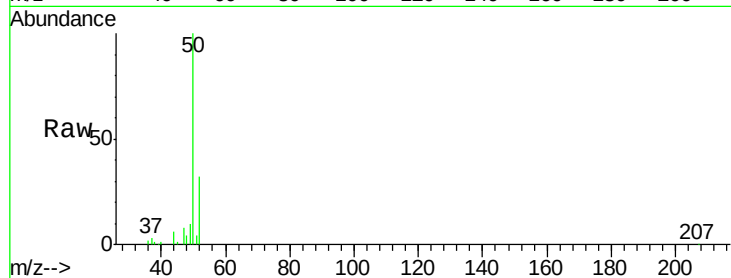
#3
Chloromethane
Concen: 17.445 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	50	Resp	57911
Ion Ratio	100	Lower	Upper
50	100		
52	32.3	25.8	38.8

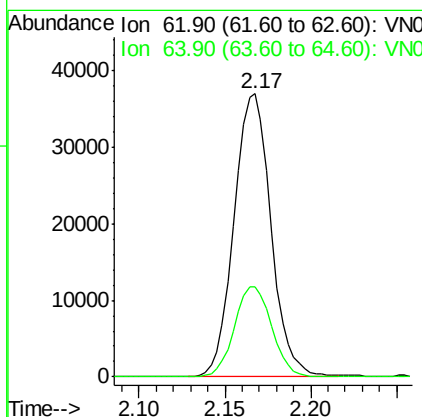
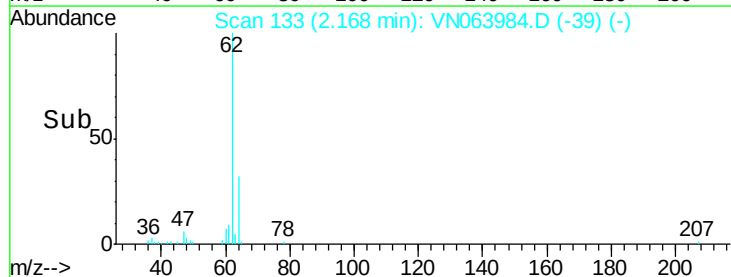
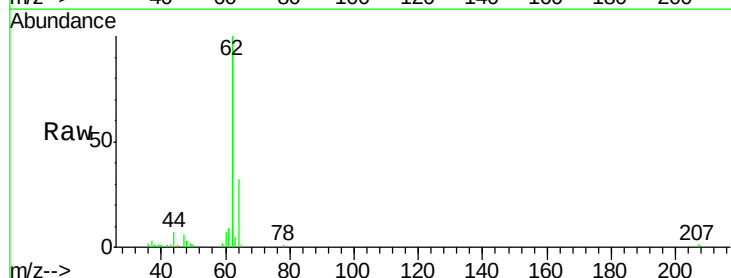
Manual Integrations
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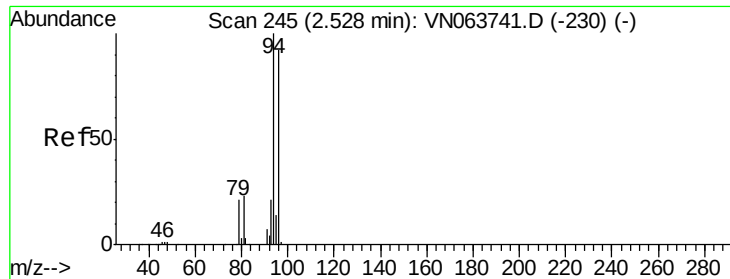
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#4
Vinyl Chloride
Concen: 16.637 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	62	Resp	55438
Ion Ratio	100	Lower	Upper
62	100		
64	31.8	25.6	38.4





#5

Bromomethane

Concen: 16.165 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 94 Resp: 33881

Ion Ratio Lower Upper

94 100

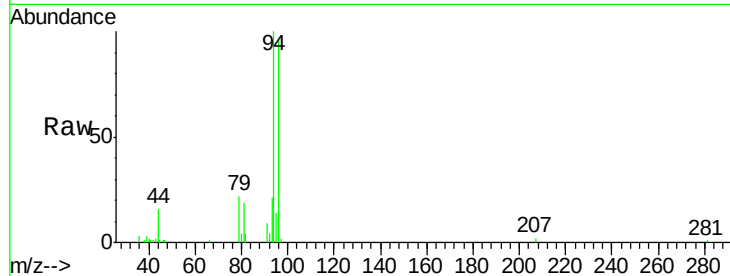
96 96.5 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN063984.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063984.D (-152) (-)

20000

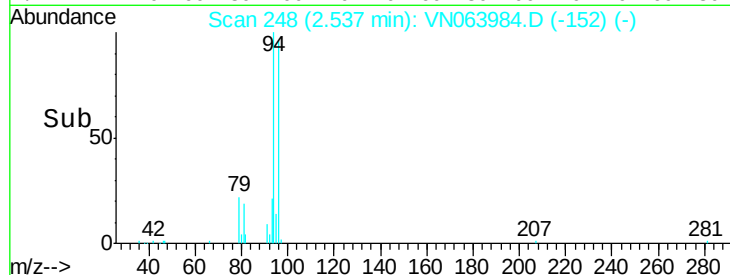
15000

10000

5000

0

Time-->



2.54

2.50

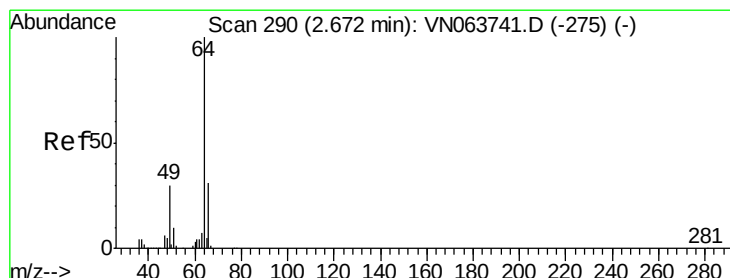
2.55

2.60

2.65

2.70

2.75



#6

Chloroethane

Concen: 18.349 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063984.D

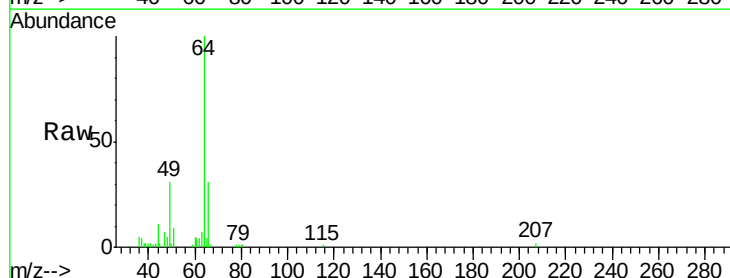
Acq: 8 Oct 2020 12:31

Tgt Ion: 64 Resp: 36536

Ion Ratio Lower Upper

64 100

66 30.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN063984.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063984.D (-197) (-)

20000

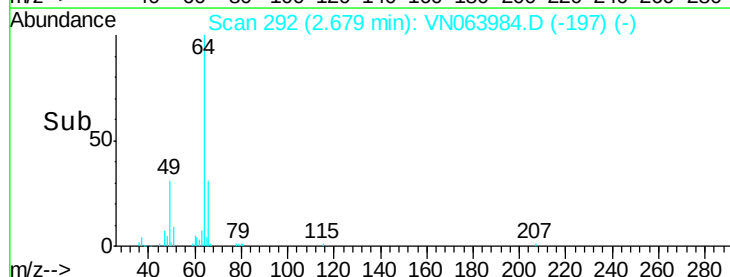
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10000

5000

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Time-->

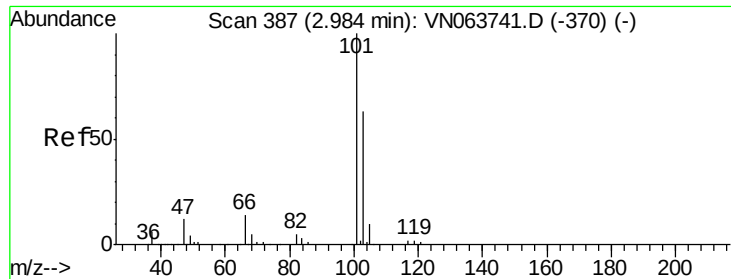


2.68

2.65

2.70

2.75



#7

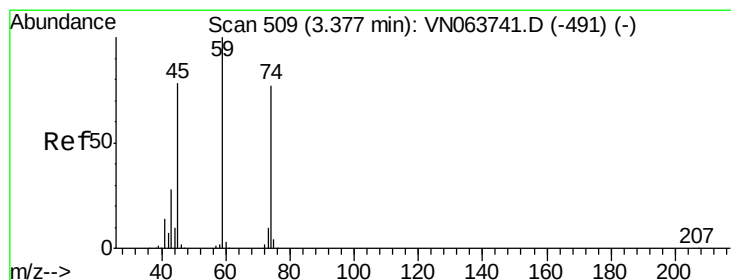
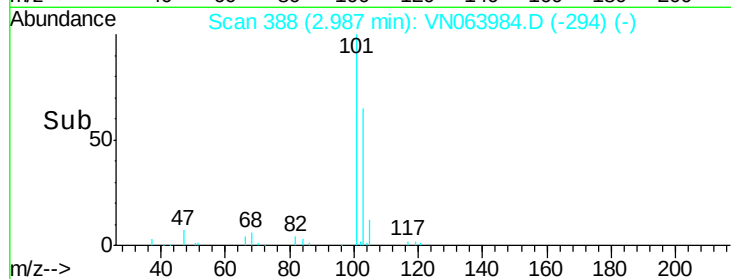
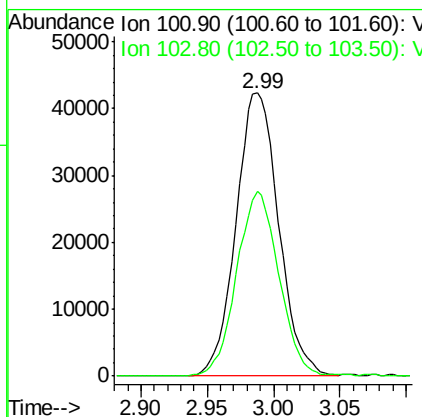
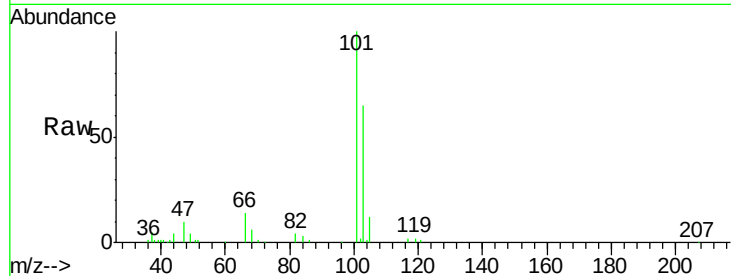
Trichlorofluoromethane
 Concen: 17.977 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
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 VN1008WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		95005		
103	65.5	50.7	76.1		

Manual Integrations
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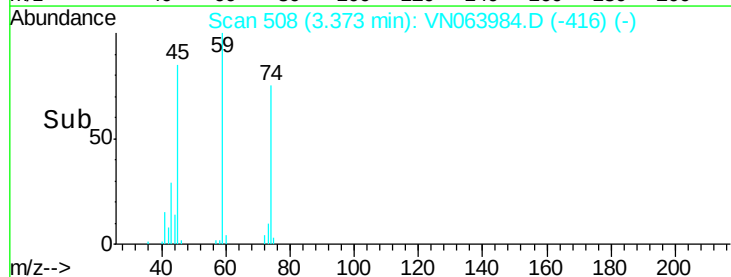
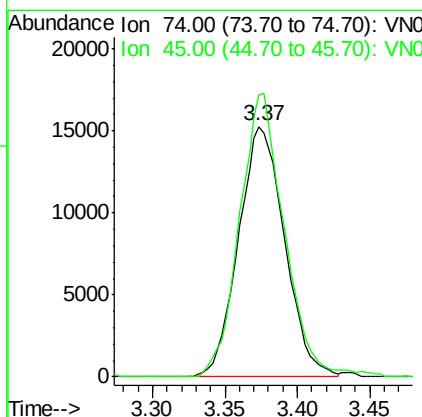
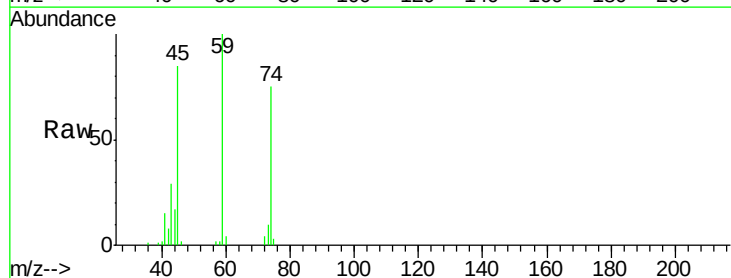
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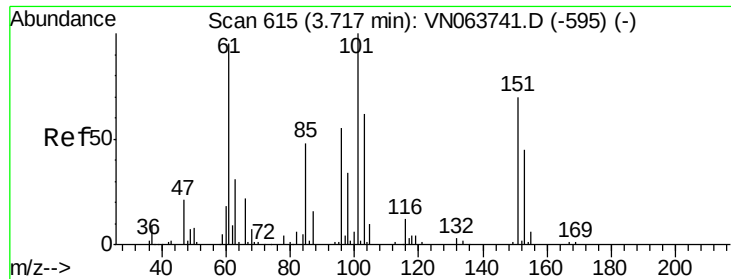


#8

Diethyl Ether
 Concen: 18.902 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		33783		
45	110.2	50.9	152.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.734 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

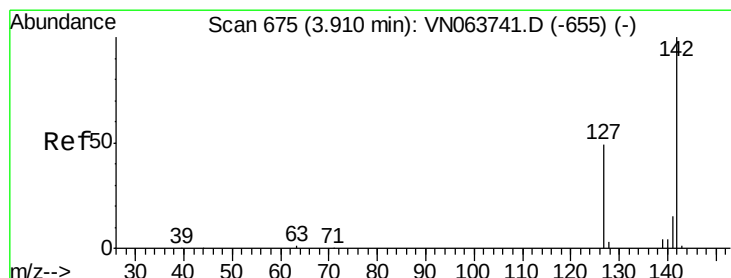
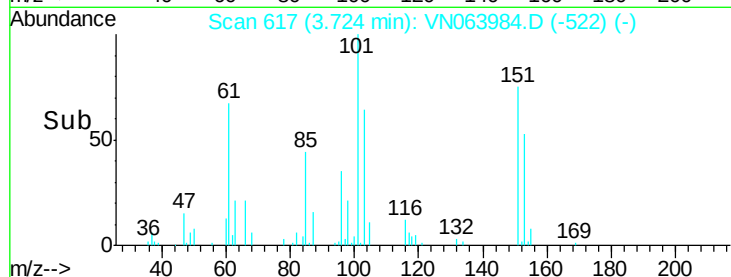
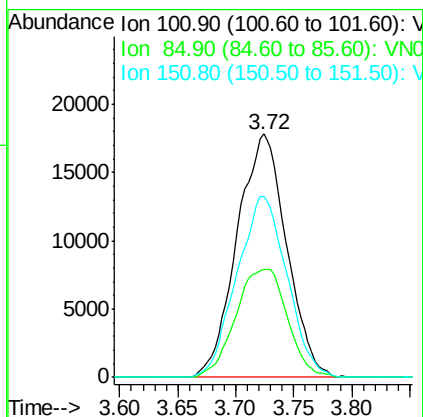
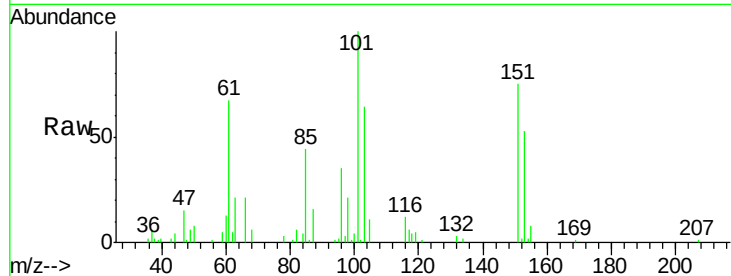
ClientSampleId :

VN1008WBSD01

Tot Ion:	101	Resp:	52916
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.6	58.0
151	75.2	58.7	88.1

Manual Integrations
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10/9/2020 4:32:06 PM



#10

Methyl Iodide

Concen: 15.990 ug/l

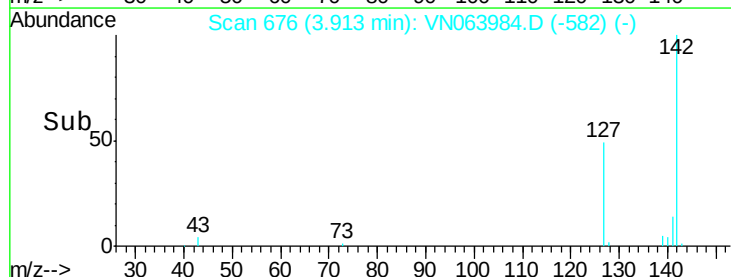
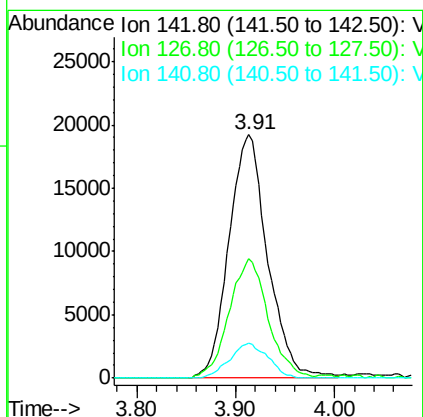
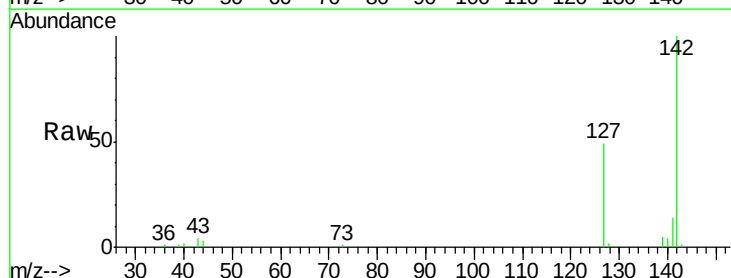
RT: 3.91 min Scan# 676

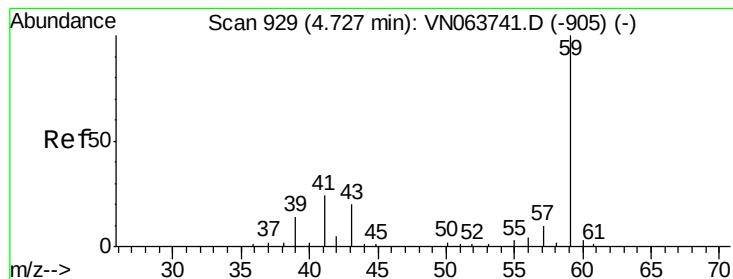
Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	142	Resp:	52443
Ion Ratio	Lower	Upper	
142	100		
127	49.3	40.5	60.7
141	14.2	11.7	17.5





#11

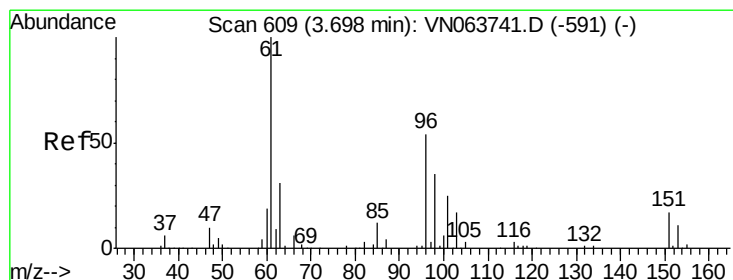
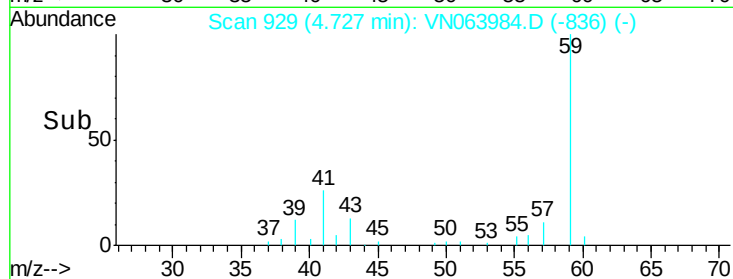
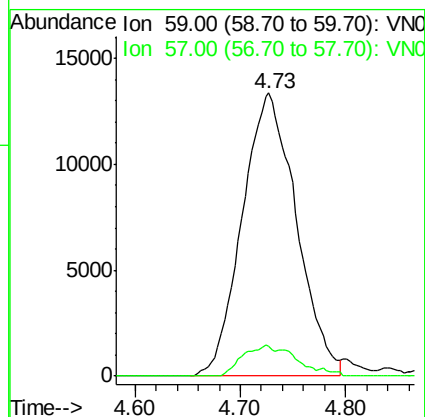
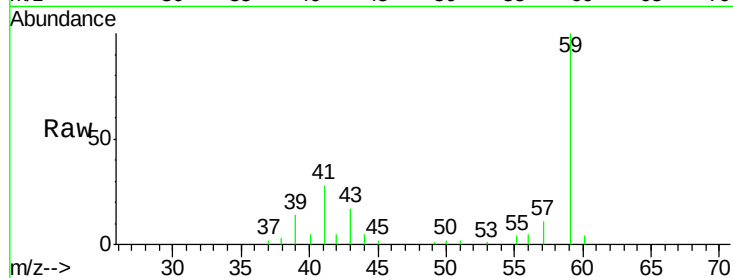
Tert butyl alcohol
Concen: 97.482 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion: 59 Resp: 47672
Ion Ratio Lower Upper
59 100
57 6.3 8.7 13.1#

Manual Integrations
APPROVED

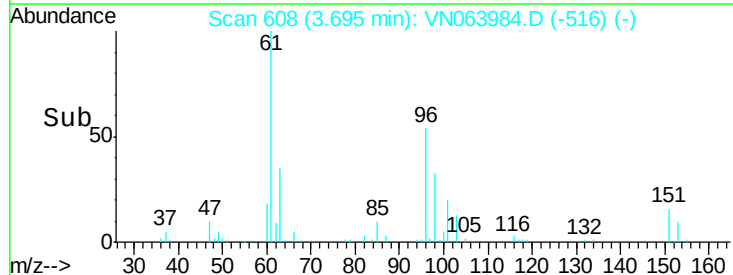
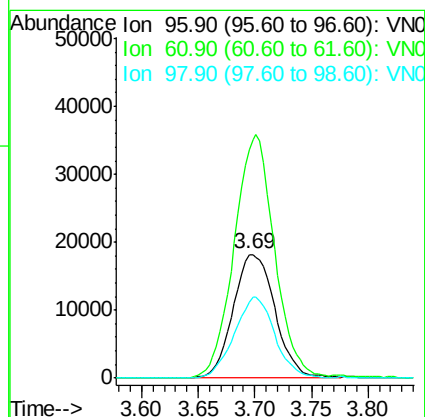
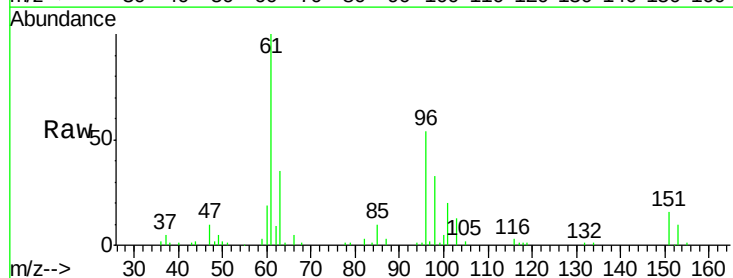
MMDadoda
10/9/2020 4:32:06 PM

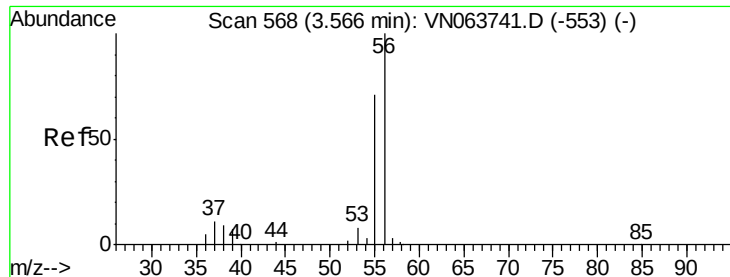


#12

1,1-Dichloroethene
Concen: 17.443 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion: 96 Resp: 47095
Ion Ratio Lower Upper
96 100
61 184.6 147.7 221.5
98 61.3 51.9 77.9





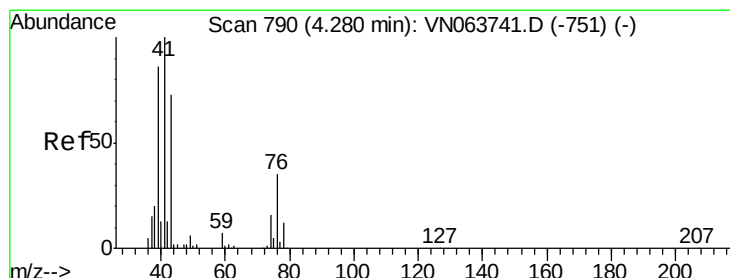
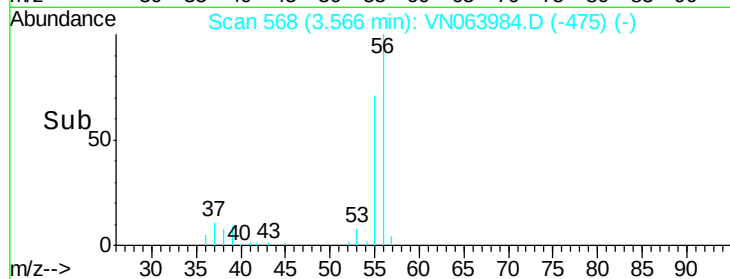
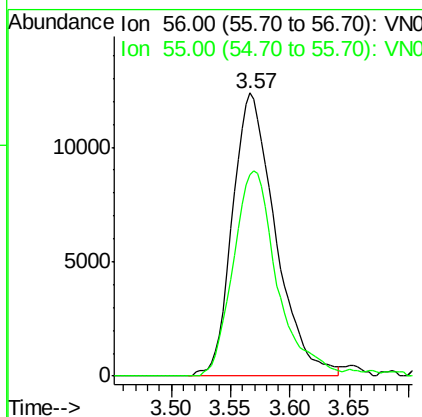
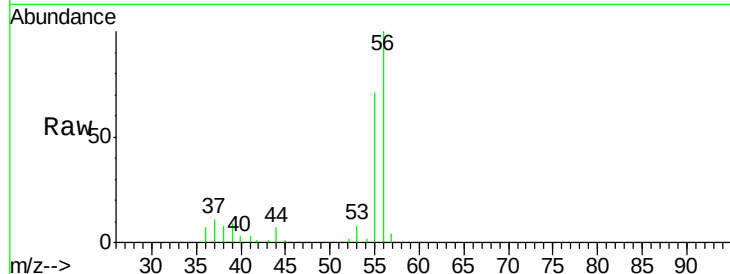
#13
Acrolein
Concen: 103.117 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	56	Resp	30950
Ion Ratio	100	Lower	Upper
56	100		
55	74.0	56.9	85.3

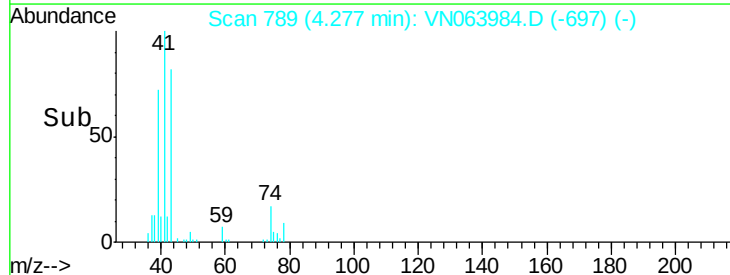
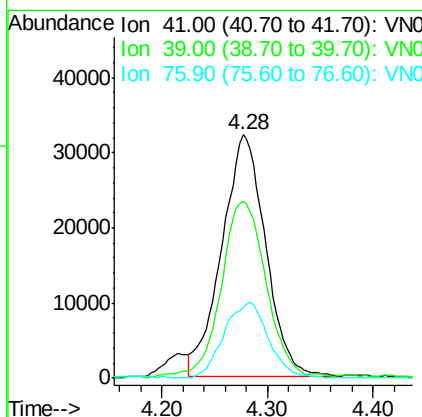
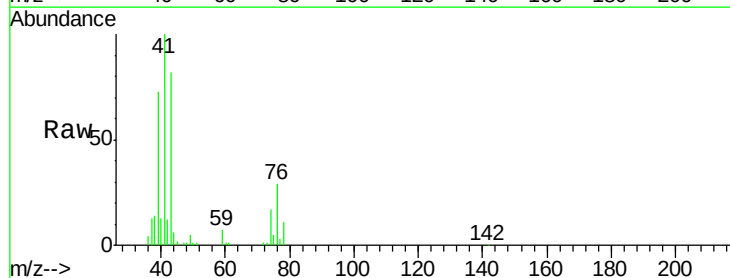
Manual Integrations
APPROVED

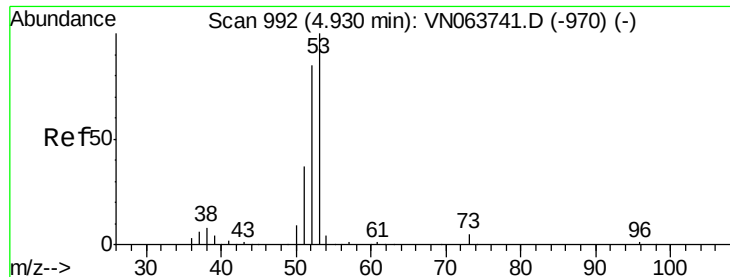
MMDadoda
10/9/2020 4:32:06 PM



#14
Allyl chloride
Concen: 18.484 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	41	Resp	92715
Ion Ratio	100	Lower	Upper
41	100		
39	75.5	64.5	96.7
76	31.7	25.9	38.9





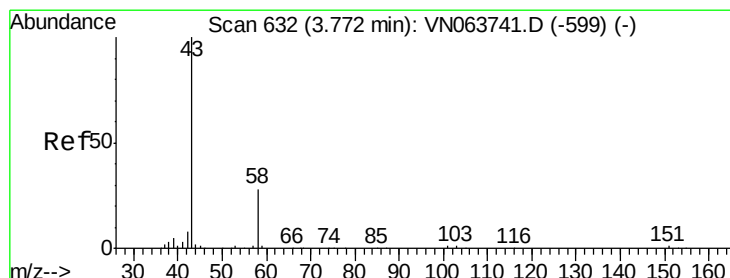
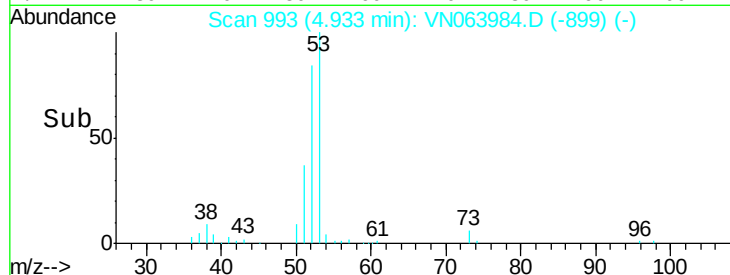
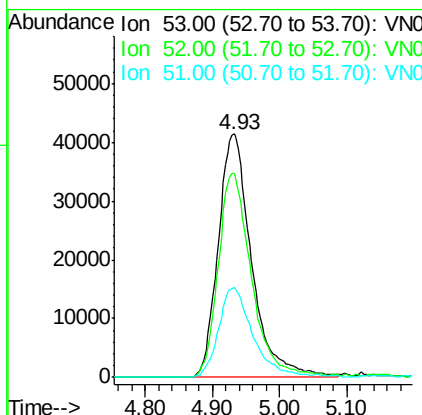
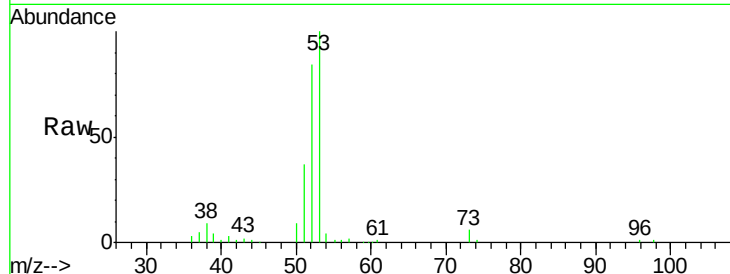
#15
 Acrylonitrile
 Concen: 102.103 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	37.8	29.9	44.9

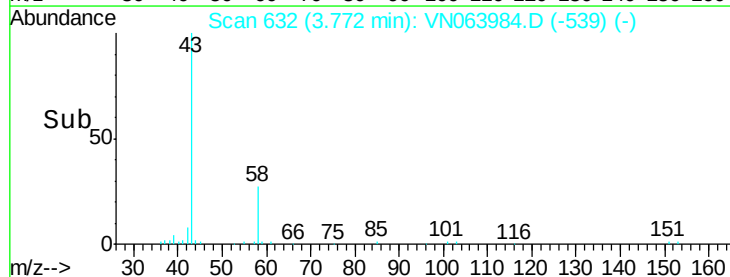
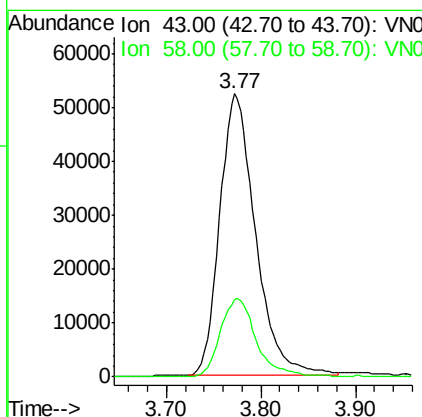
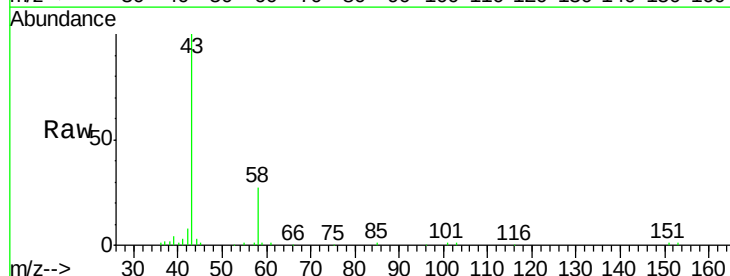
Manual Integrations
 APPROVED

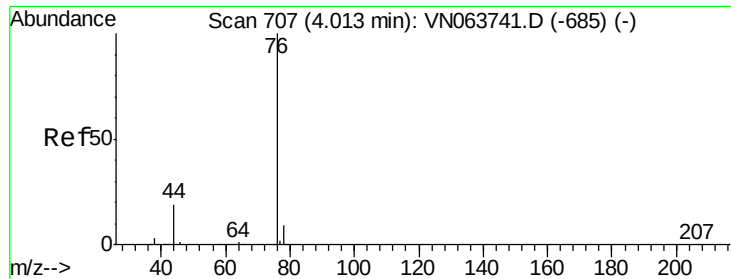
MMDadoda
 10/9/2020 4:32:06 PM



#16
 Acetone
 Concen: 100.564 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.3	33.5





#17

Carbon Disulfide

Concen: 17.569 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampled :

VN1008WBSD01

Tot Ion: 76 Resp: 124848

Ion Ratio Lower Upper

76 100

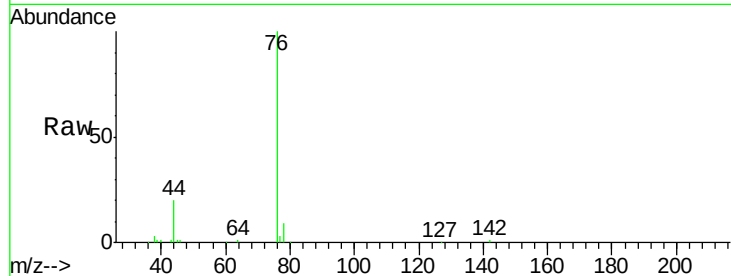
78 9.4 7.0 10.4

Manual Integrations

APPROVED

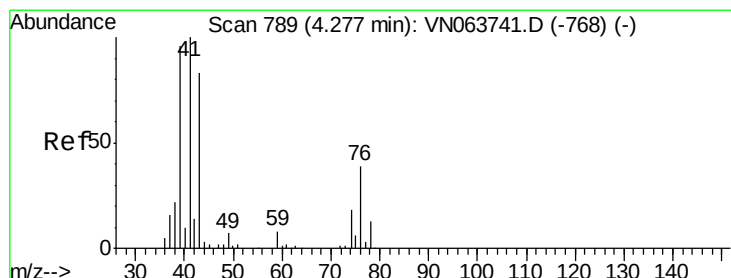
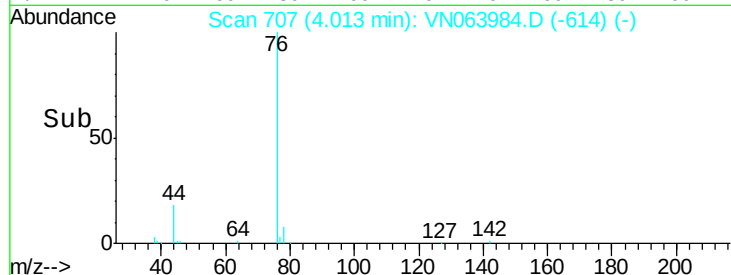
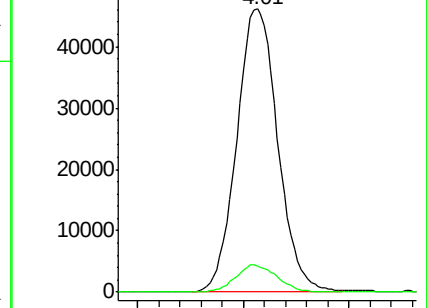
MMDadoda

10/9/2020 4:32:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.491 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063984.D

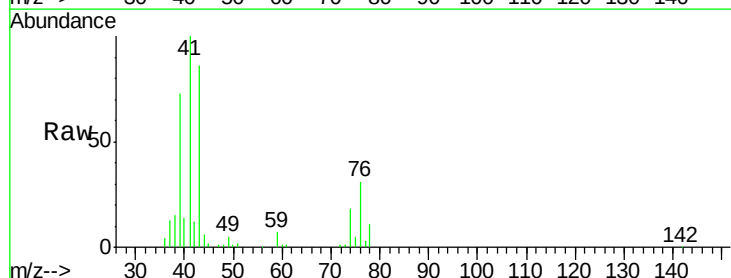
Acq: 8 Oct 2020 12:31

Tgt Ion: 43 Resp: 76086

Ion Ratio Lower Upper

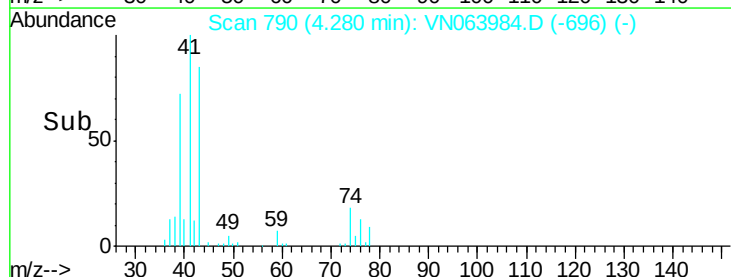
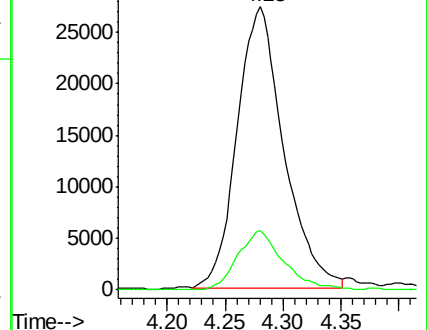
43 100

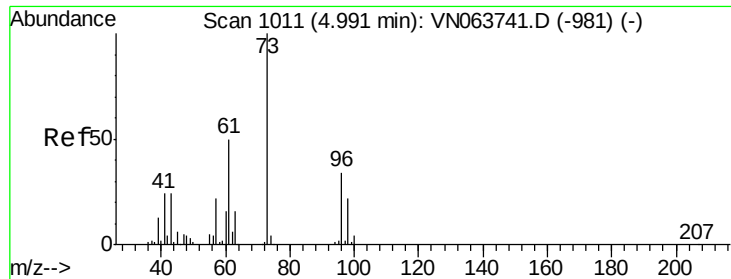
74 20.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





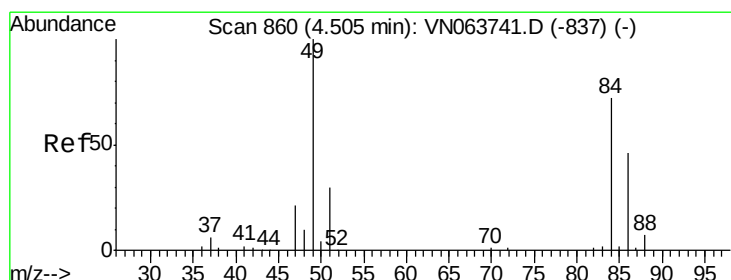
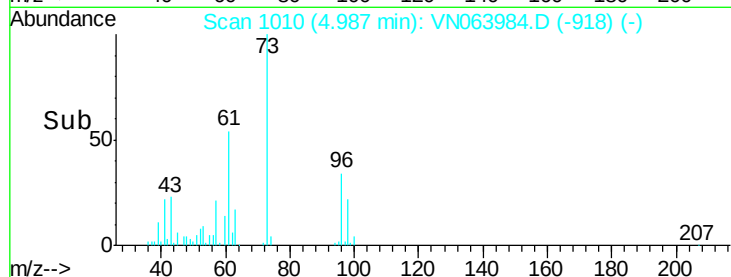
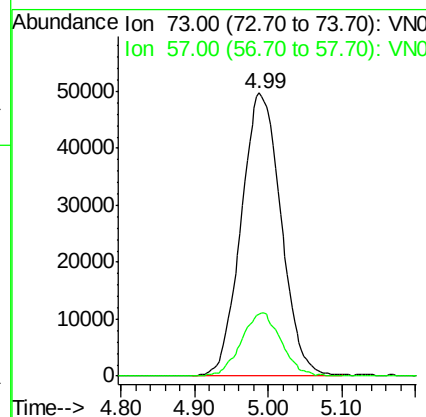
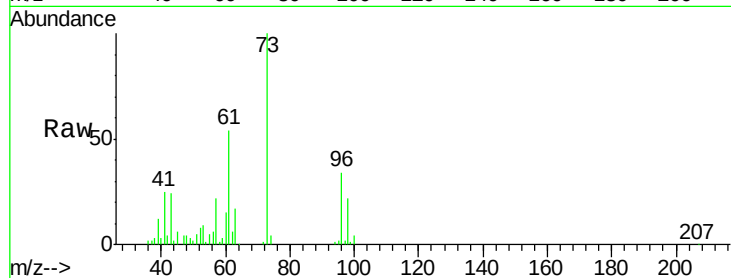
#19
Methvl tert-butvl Ether
Concen: 19.103 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion: 73 Resp: 187383
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

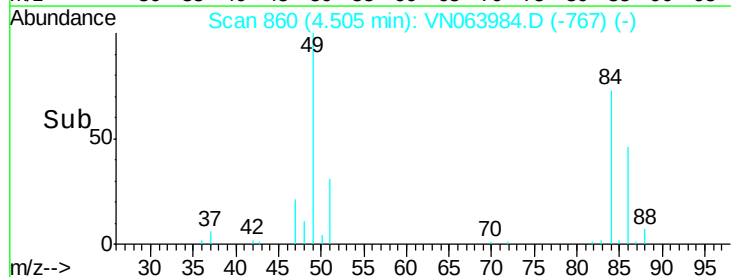
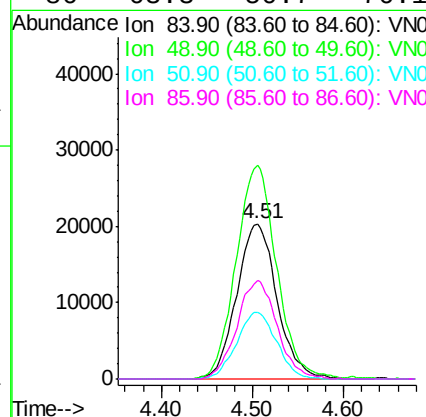
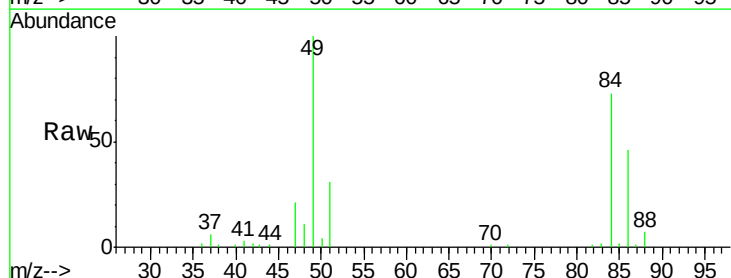
Manual Integrations
APPROVED

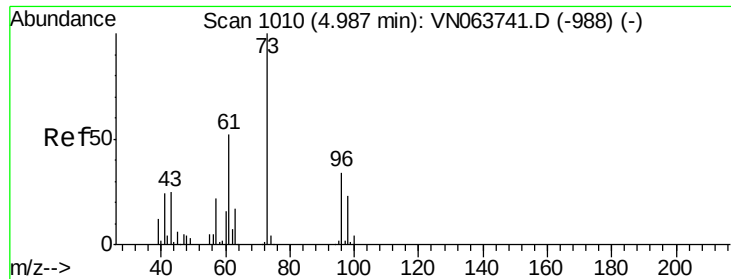
MMDadoda
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#20
Methylene Chloride
Concen: 20.068 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion: 84 Resp: 62494
Ion Ratio Lower Upper
84 100
49 137.7 110.4 165.6
51 43.2 33.3 49.9
86 63.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.560 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

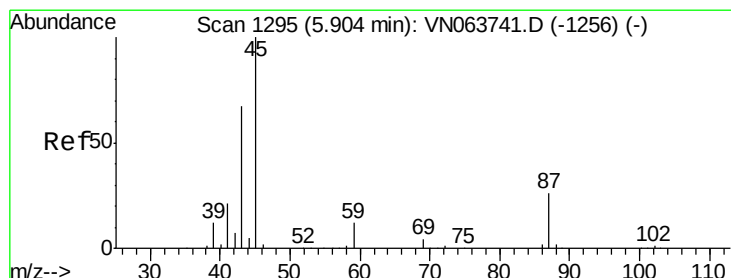
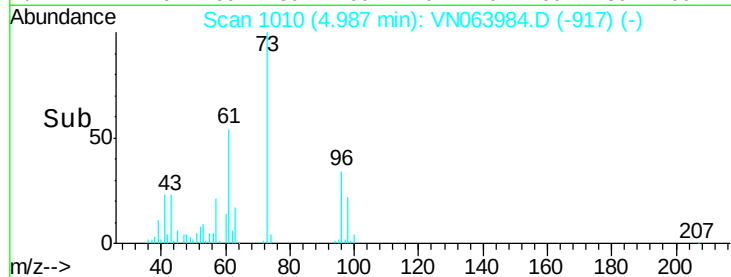
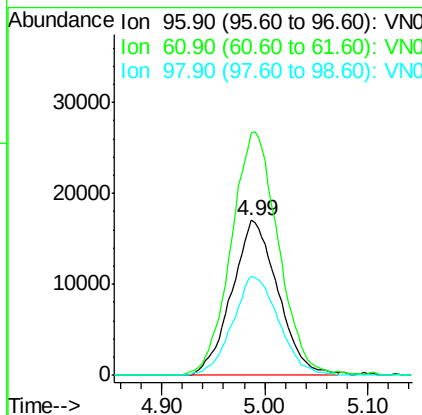
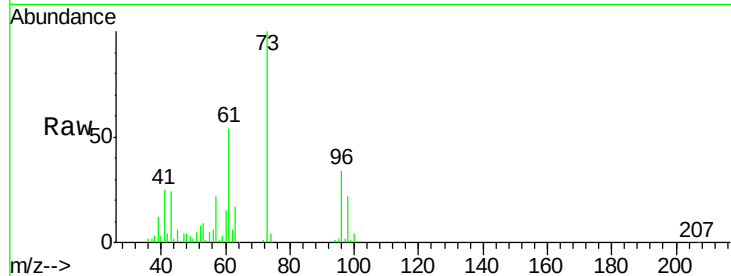
ClientSampled :

VN1008WBSD01

Tot Ion:	96	Resp:	53106
Ion	Ratio	Lower	Upper
96	100		
61	155.2	120.2	180.2
98	63.9	52.6	79.0

Manual Integrations
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10/9/2020 4:32:06 PM



#22

Diisopropyl ether

Concen: 20.740 ug/l

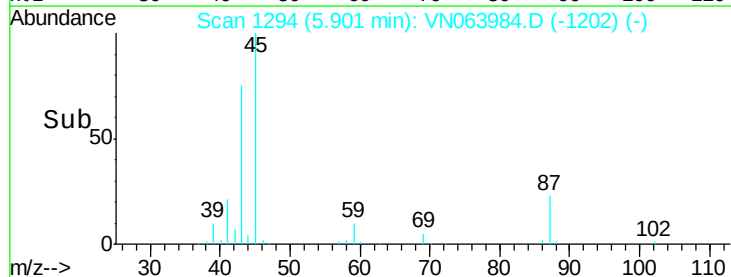
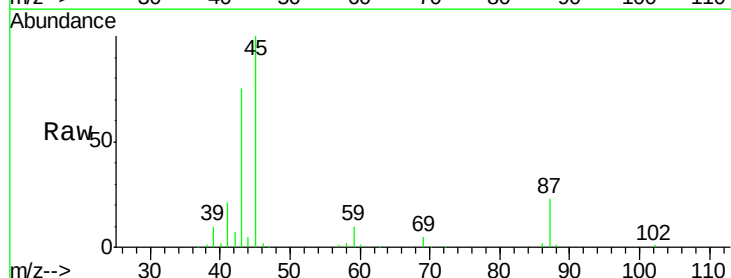
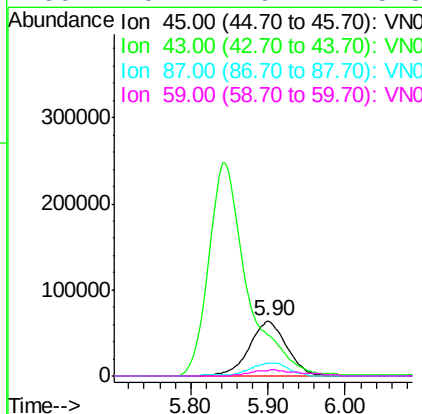
RT: 5.90 min Scan# 1294

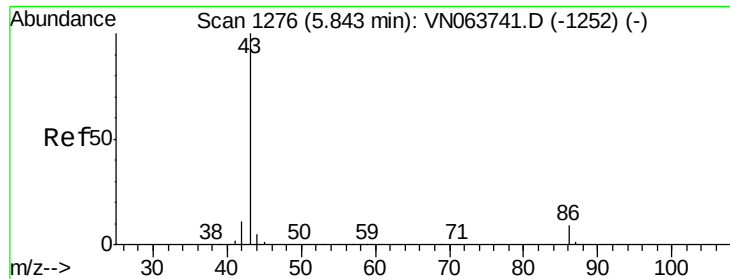
Delta R.T. -0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	45	Resp:	214036
Ion	Ratio	Lower	Upper
45	100		
43	71.8	53.7	80.5
87	22.9	21.1	31.7
59	9.7	9.2	13.8





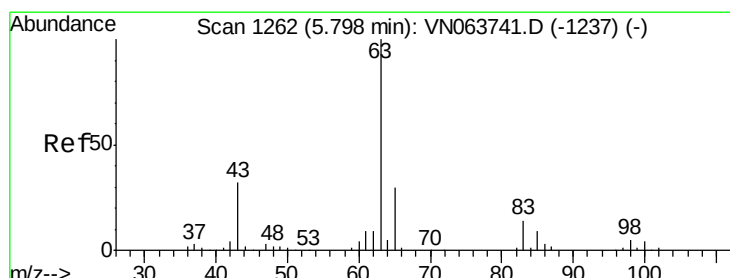
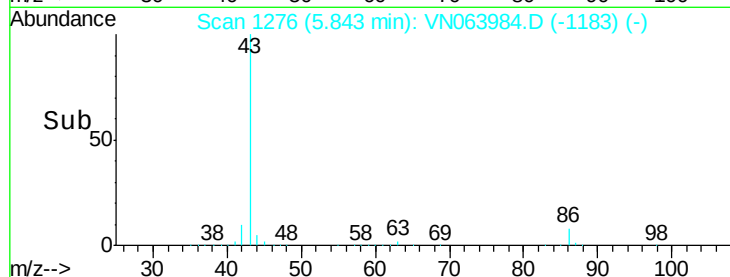
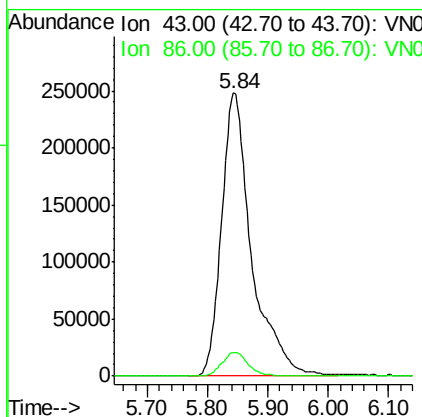
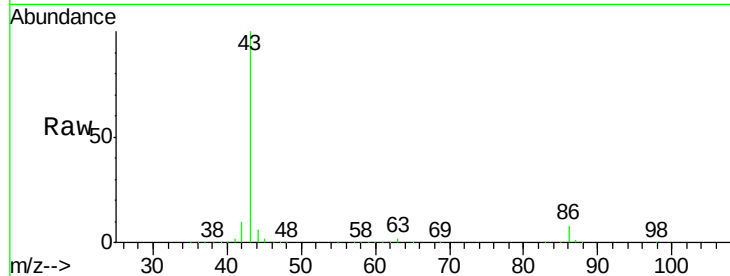
#23
 Vinyl Acetate
 Concen: 100.703 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	8.2		7.3	10.9	

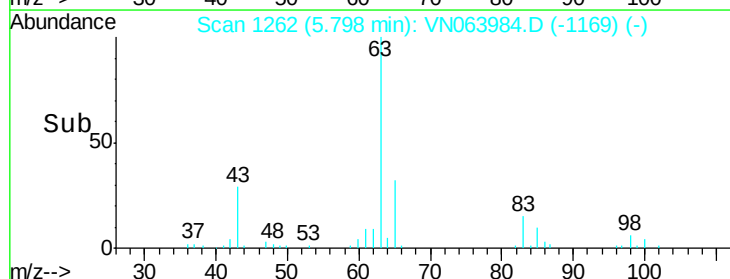
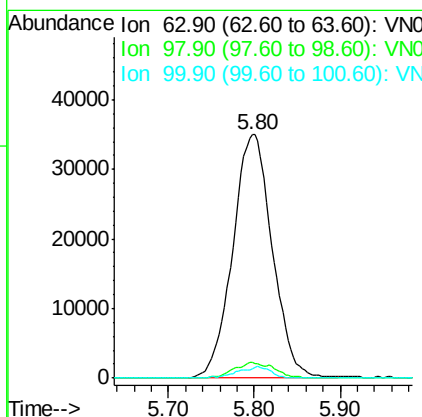
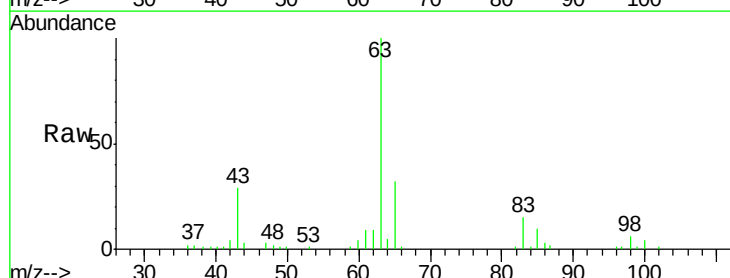
Manual Integrations
 APPROVED

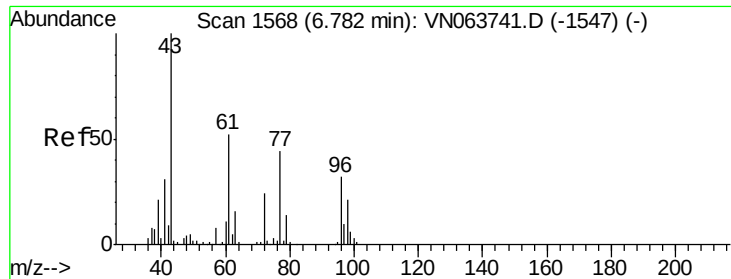
MMDadoda
 10/9/2020 4:32:06 PM



#24
 1,1-Dichloroethane
 Concen: 18.952 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	6.5			2.7	8.1	
100	3.8			1.9	5.7	





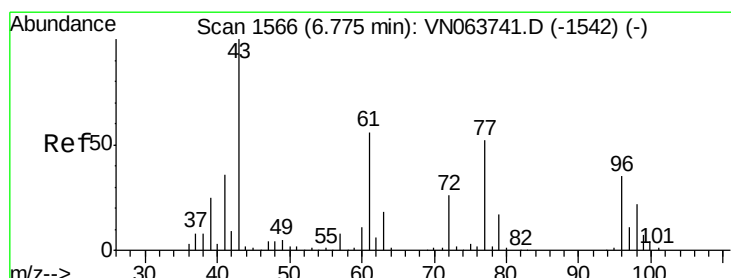
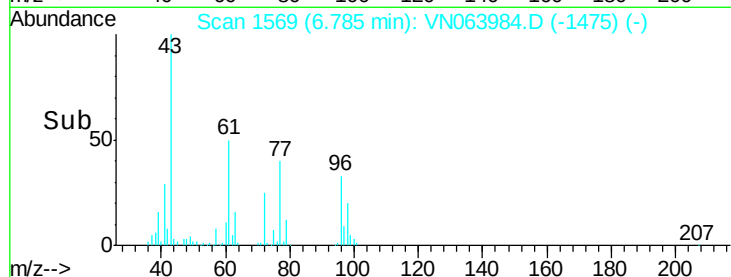
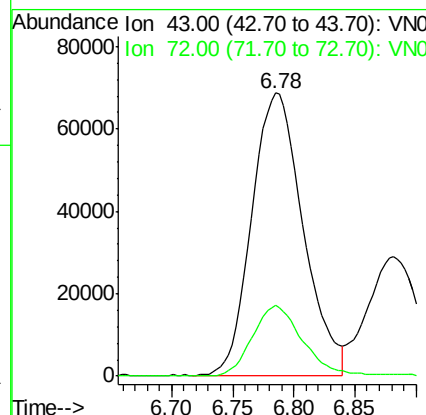
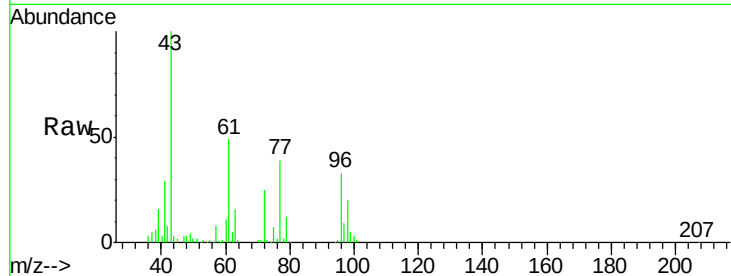
#25
2-Butanone
Concen: 103.233 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampled :
VN1008WBSD01

Tot Ion: 43 Resp: 199568
Ion Ratio Lower Upper
43 100
72 25.0 19.3 28.9

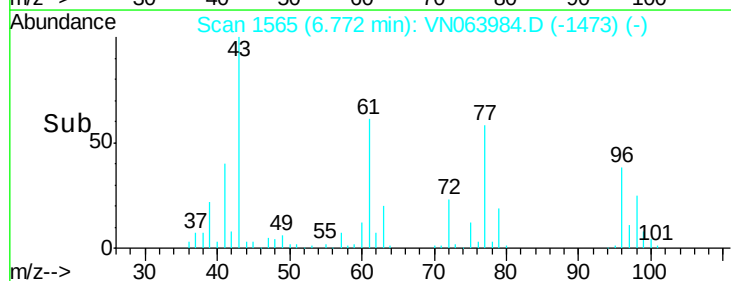
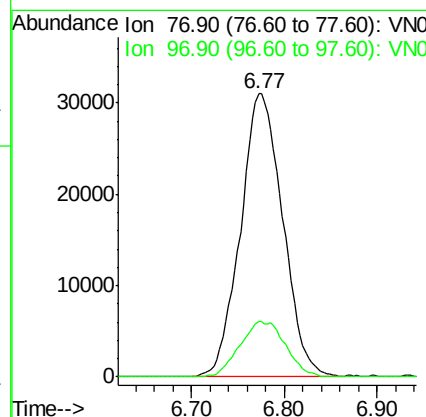
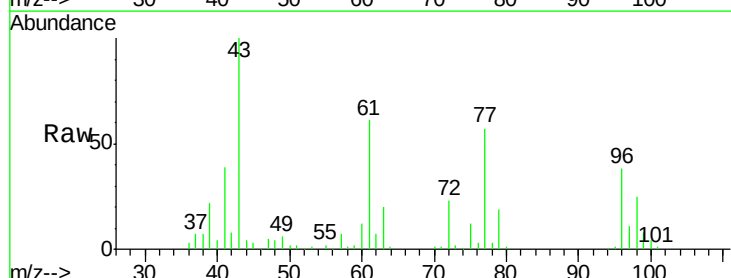
Manual Integrations
APPROVED

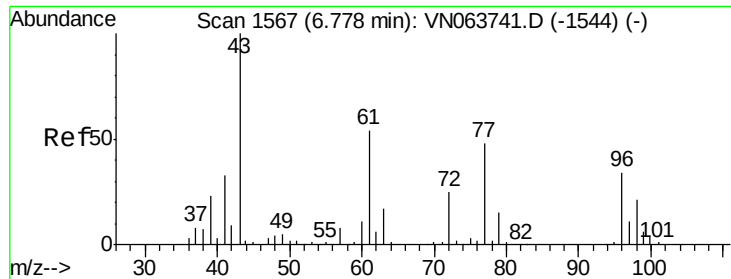
MMDadoda
10/9/2020 4:32:06 PM



#26
2,2-Dichloropropane
Concen: 18.124 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion: 77 Resp: 97939
Ion Ratio Lower Upper
77 100
97 21.2 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.033 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

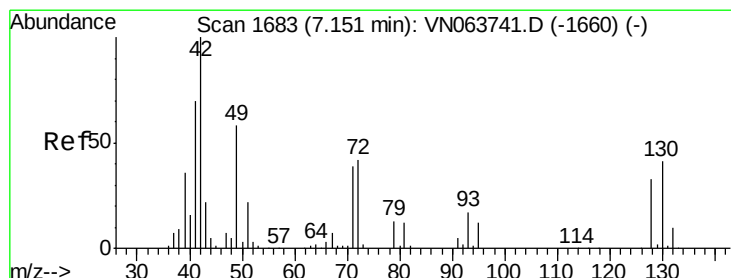
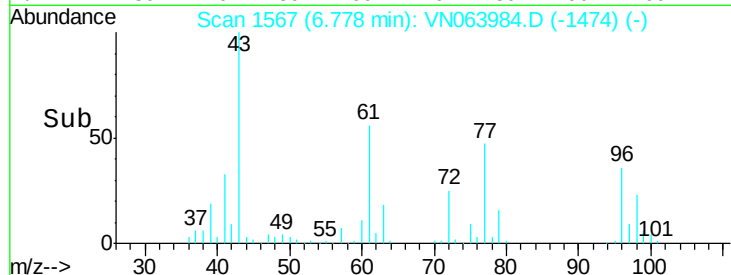
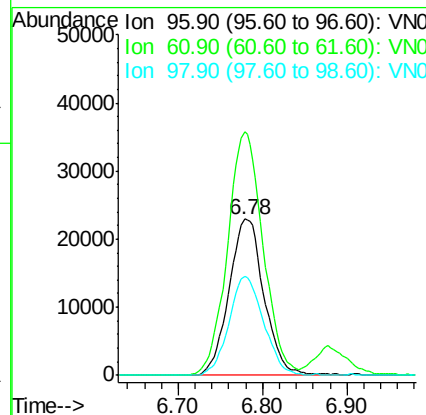
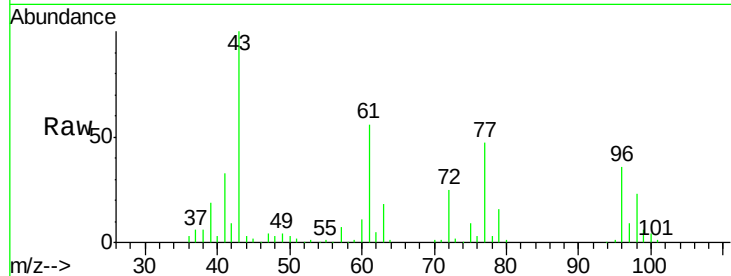
ClientSampleId :

VN1008WBSD01

Tot Ion:	96	Resp:	66198
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	321.2
98	62.2	0.0	124.4

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#28

Bromochloromethane

Concen: 17.957 ug/l

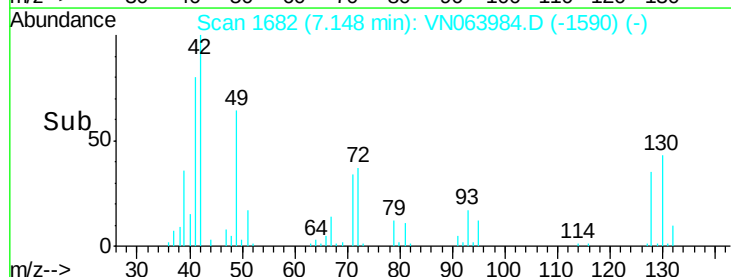
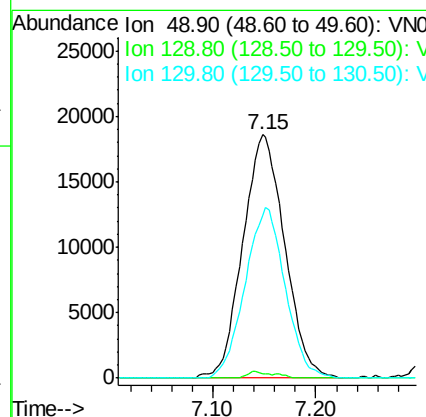
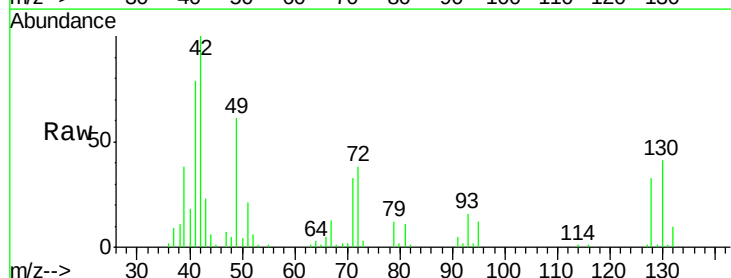
RT: 7.15 min Scan# 1682

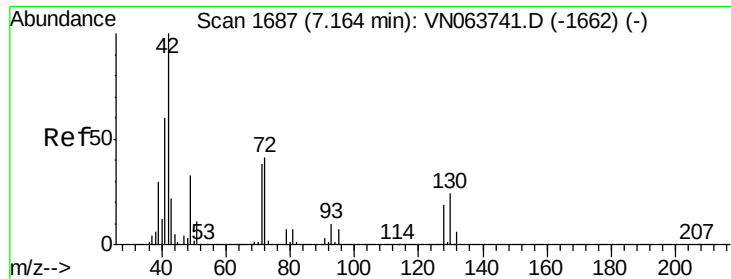
Delta R.T. -0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	49	Resp:	52369
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	67.2	55.6	83.4





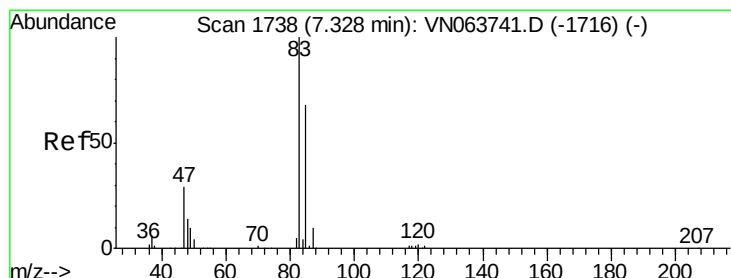
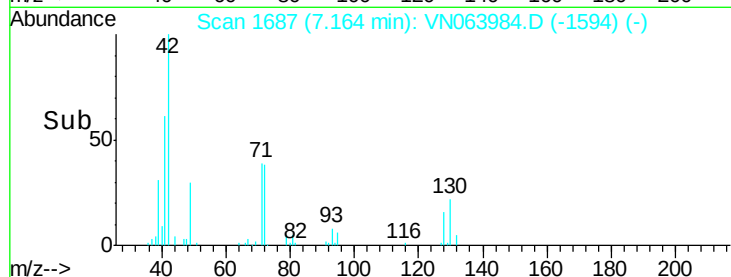
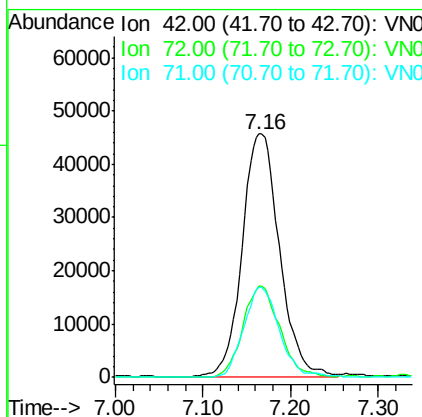
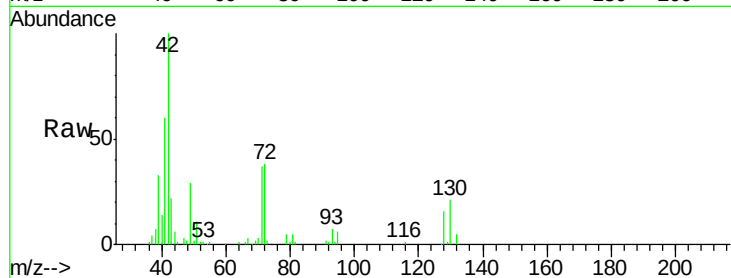
#29
Tetrahydrofuran
Concen: 104.931 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	32.8	49.2
71	34.6	30.6	45.8

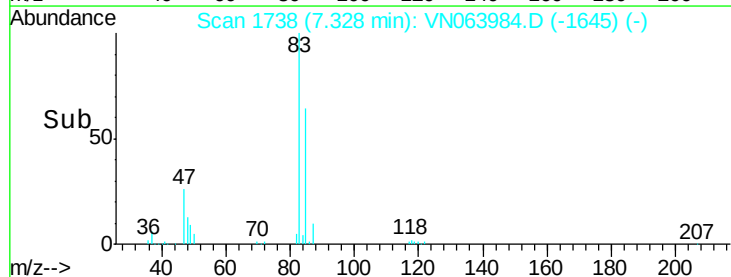
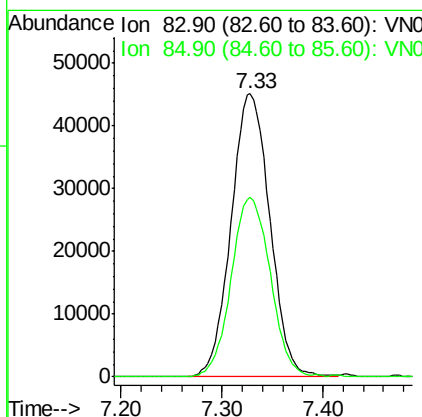
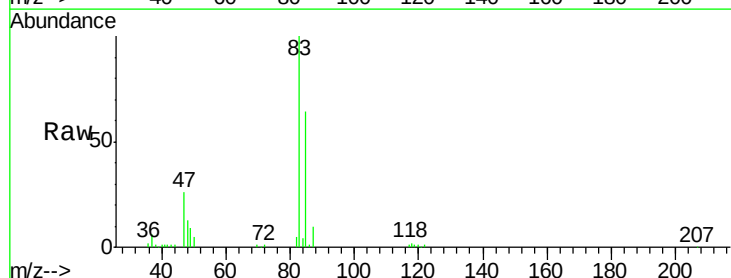
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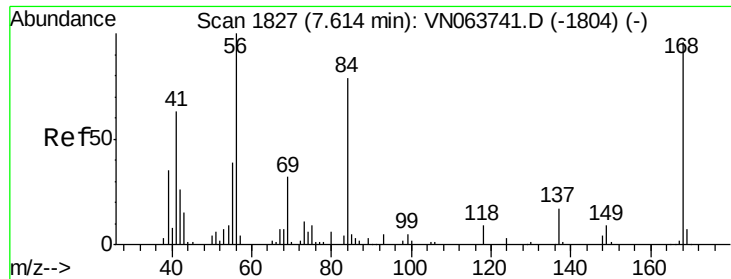
MMDadoda
10/9/2020 4:32:06 PM



#30
Chloroform
Concen: 19.573 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	54.6	82.0





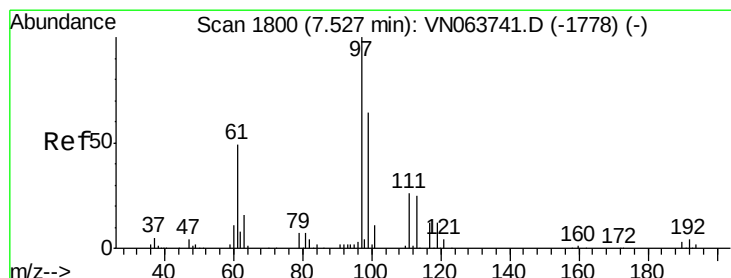
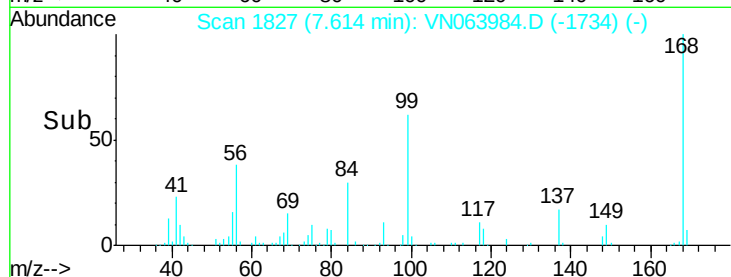
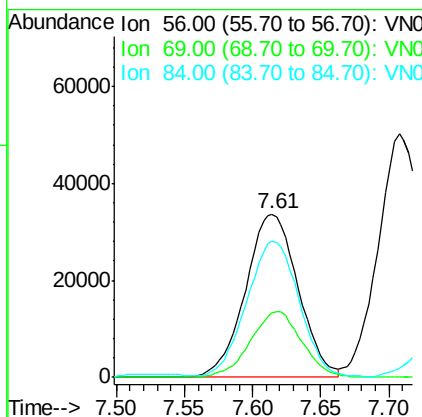
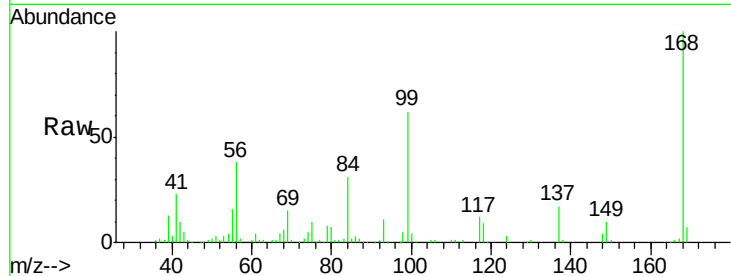
#31
Cyclohexane
Concen: 17.514 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.4	38.2#
84	81.8	63.3	94.9

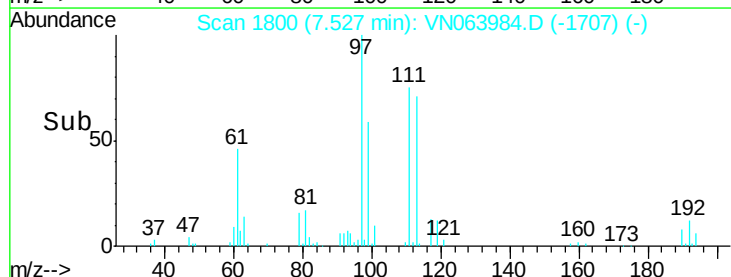
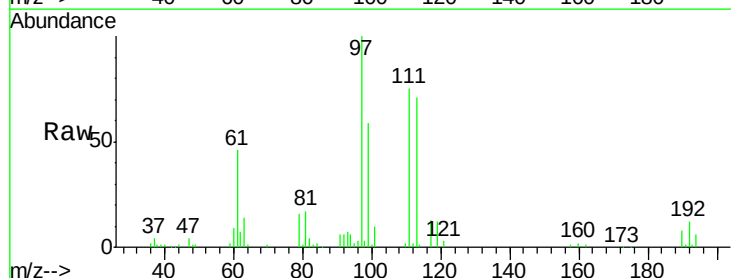
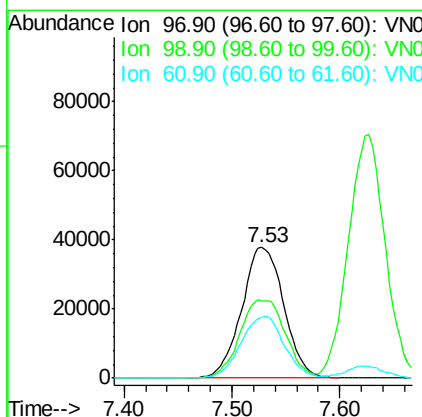
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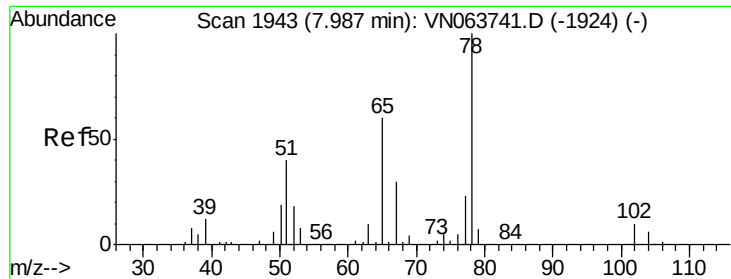
MMDadoda
10/9/2020 4:32:06 PM



#32
1,1,1-Trichloroethane
Concen: 18.542 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	48.5	38.7	58.1





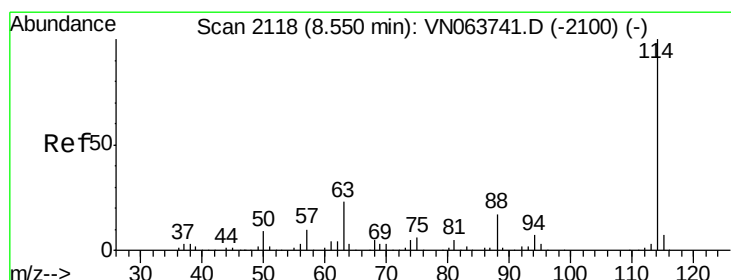
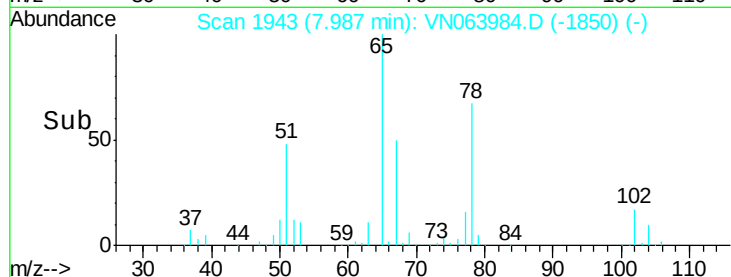
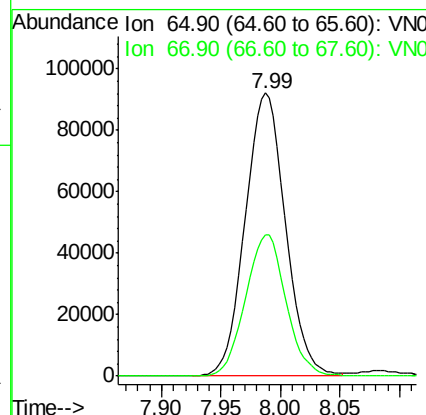
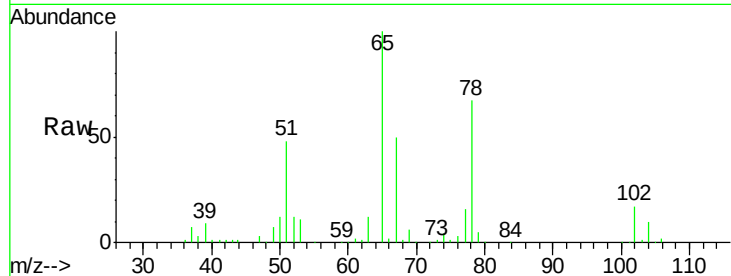
#33
 1,2-Dichloroethane-d4
 Concen: 48.789 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216113		
67	50.1	0.0	99.6	

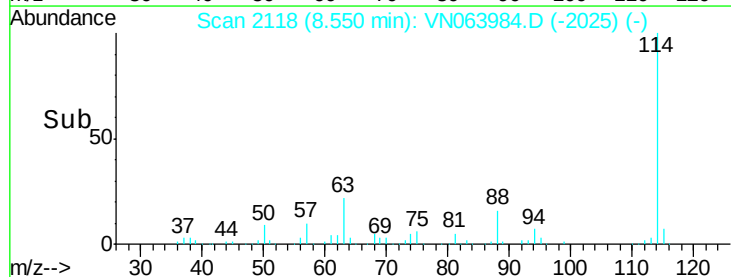
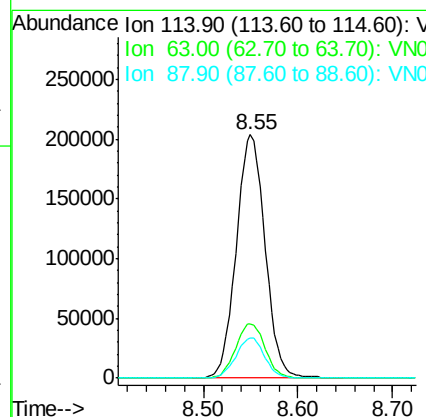
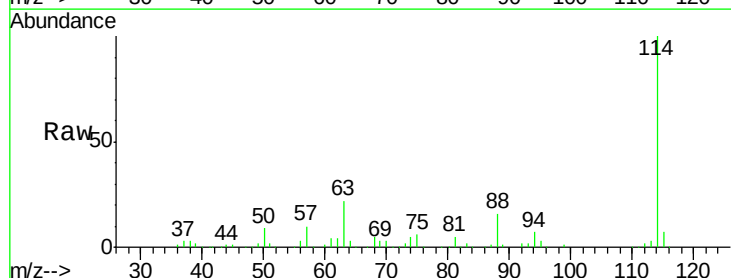
Manual Integrations
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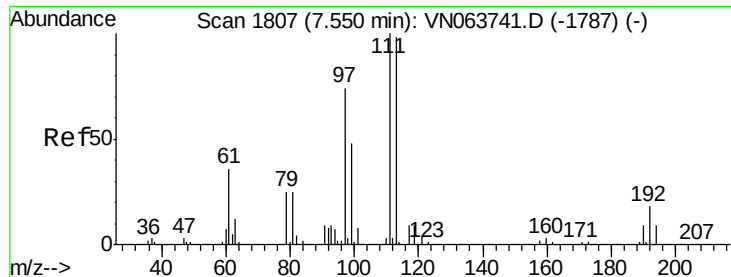
MMDadoda
 10/9/2020 4:32:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	431059		
63	22.4	0.0	45.0	
88	16.4	0.0	34.0	





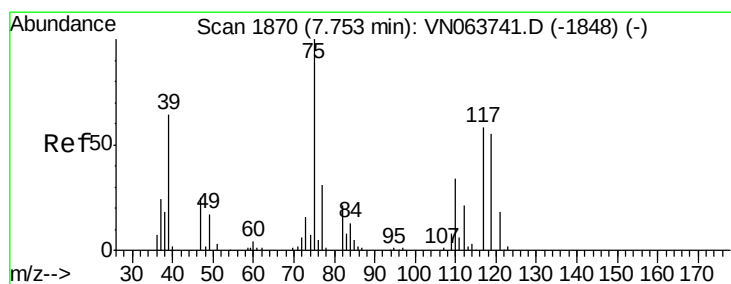
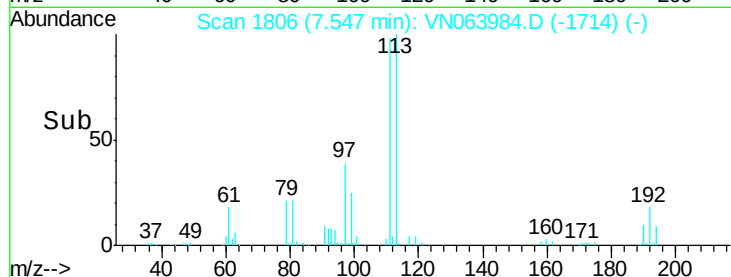
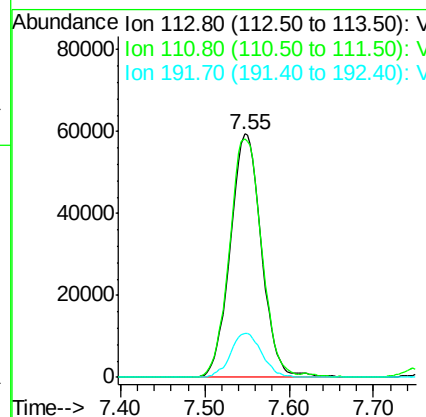
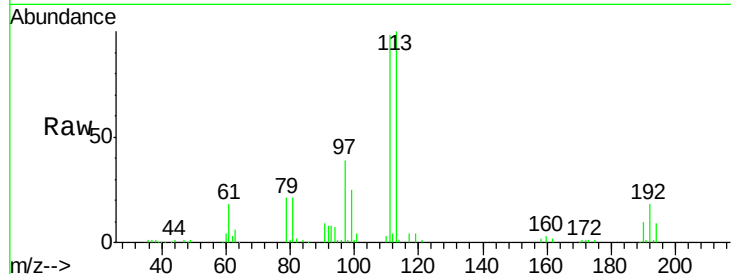
#35
Dibromofluoromethane
Concen: 51.104 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152853		
111	100.8	81.8	122.8	
192	18.2	14.2	21.2	

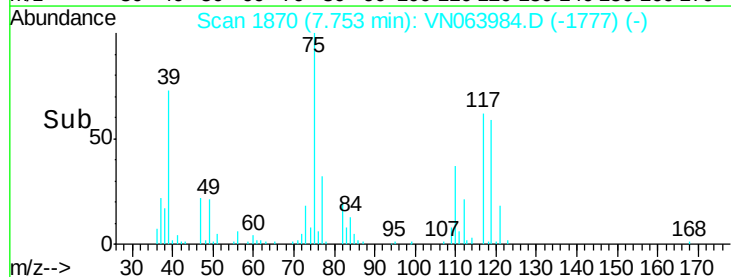
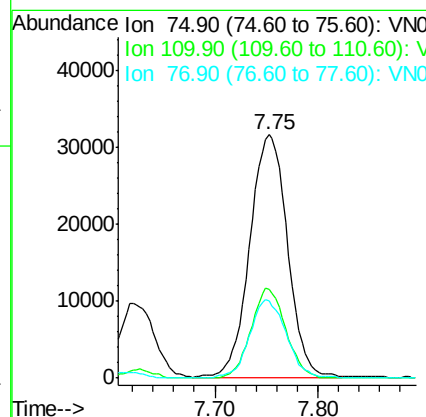
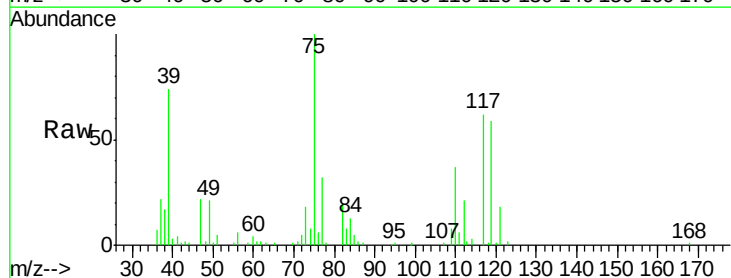
Manual Integrations
APPROVED

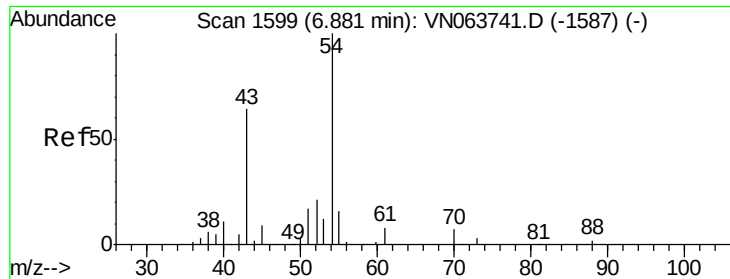
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.521 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80881		
110	33.6	16.9	50.6	
77	31.0	24.5	36.7	





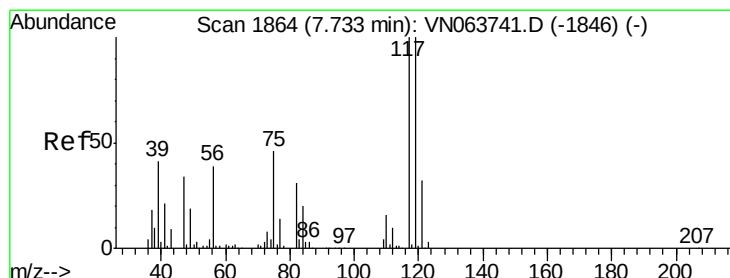
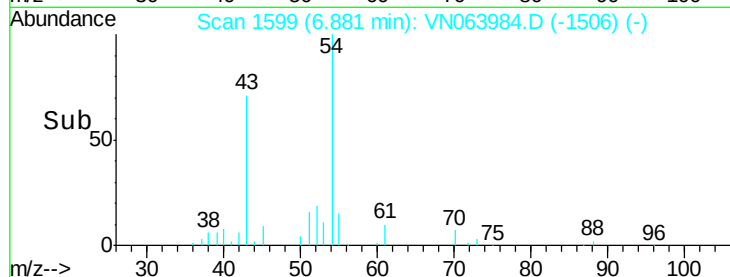
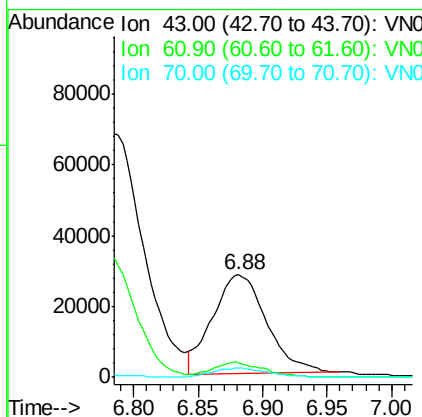
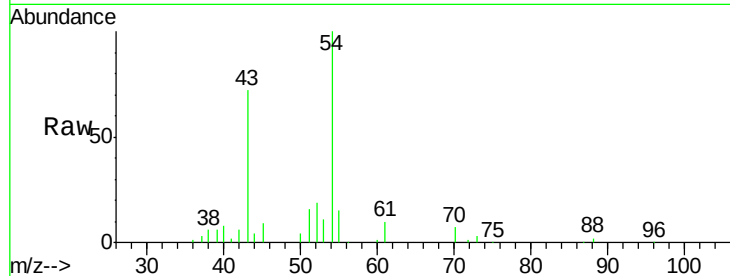
#37
Ethyl Acetate
Concen: 18.782 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	43	61	70
Resp	81489		
Ratio	100	13.2	9.8
Lower		10.4	7.3
Upper		15.6	10.9

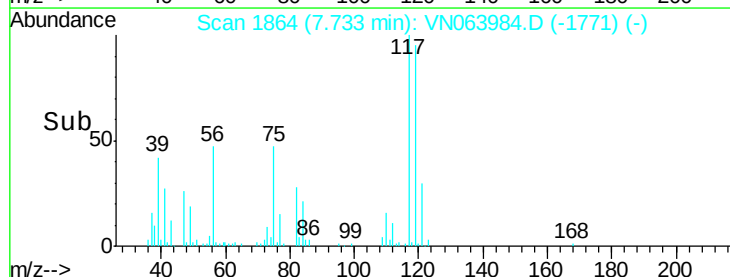
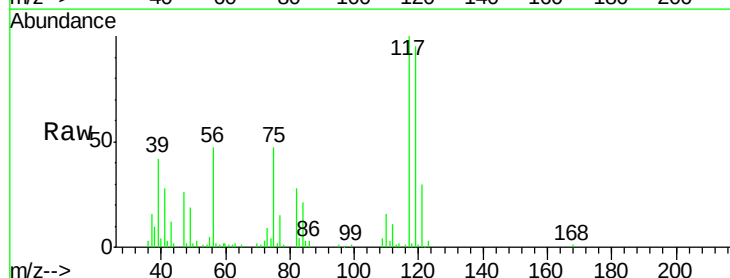
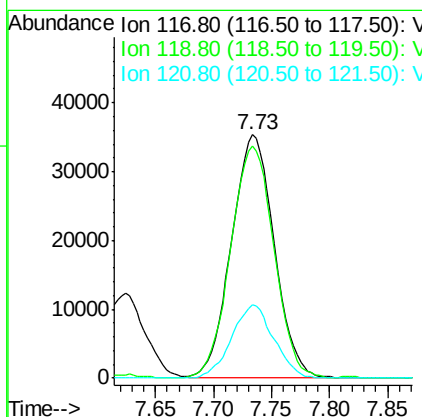
Manual Integrations
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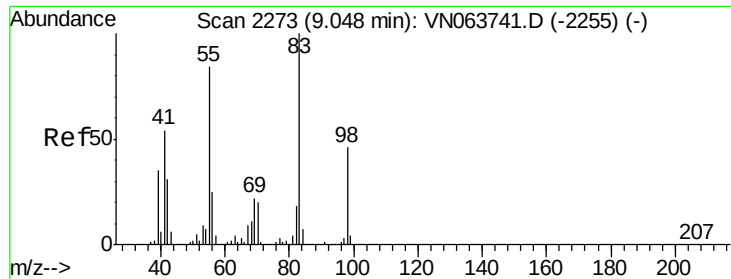
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.549 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	117	119	121
Resp	90836		
Ratio	100	95.3	30.0
Lower		80.1	25.7
Upper		120.1	38.5





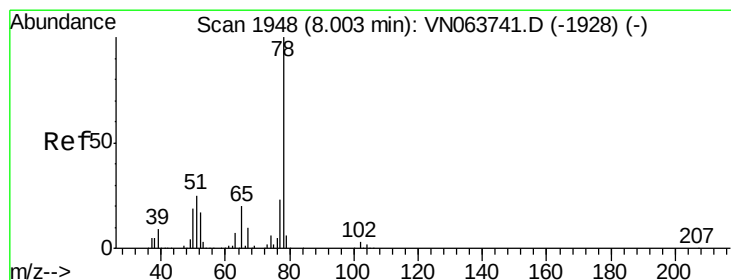
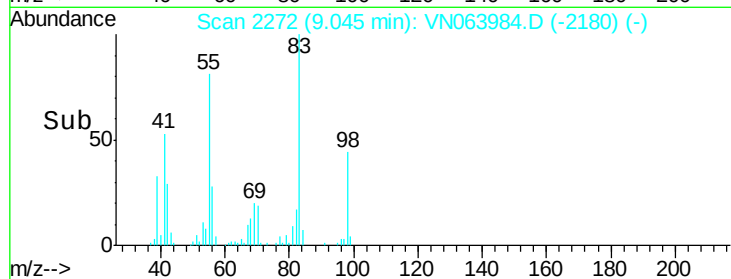
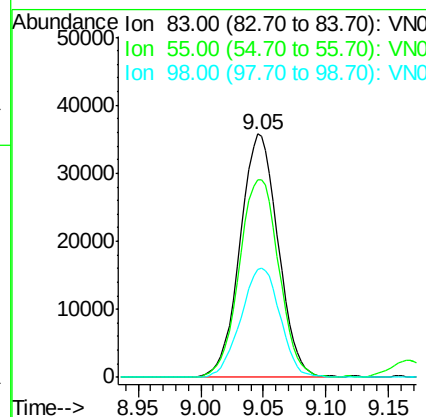
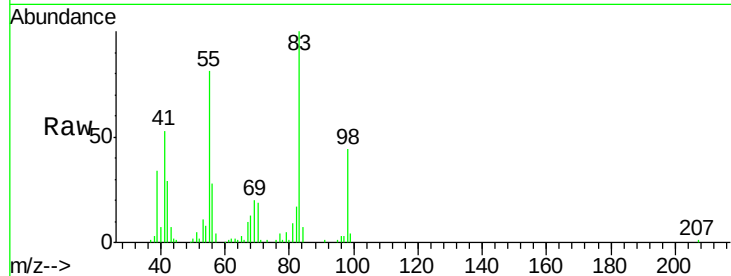
#39
Methylvlcyclohexane
Concen: 17.332 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	83	Resp	75482
Ion Ratio	Lower	Upper	
83	100		
55	81.1	67.1	100.7
98	44.5	36.6	54.8

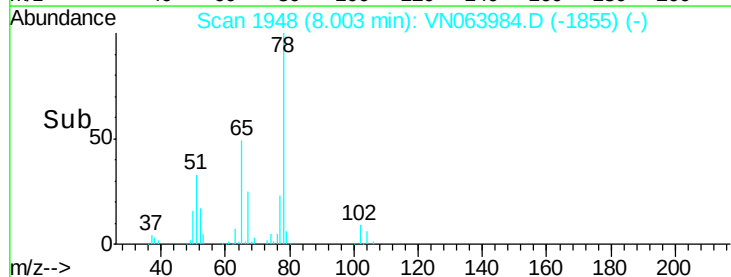
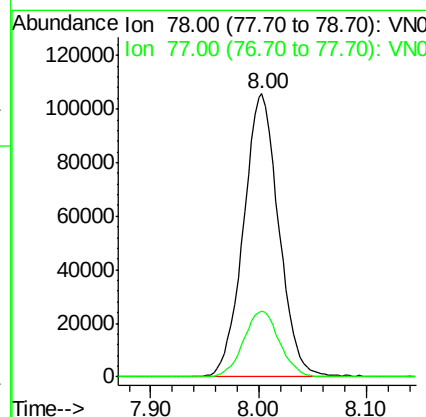
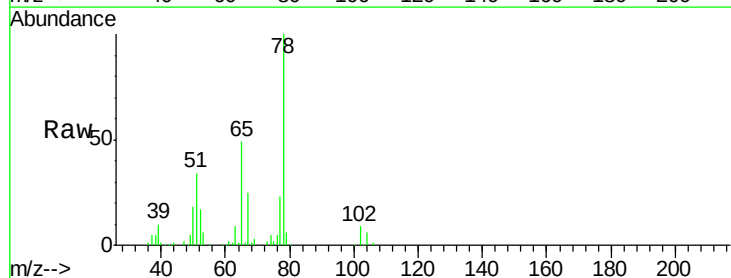
Manual Integrations
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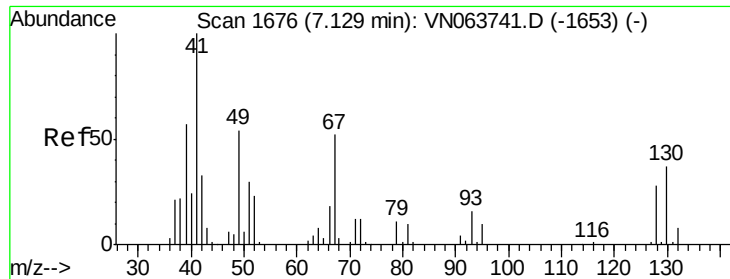
MMDadoda
10/9/2020 4:32:06 PM



#40
Benzene
Concen: 19.264 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	78	Resp	240283
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.7	28.1





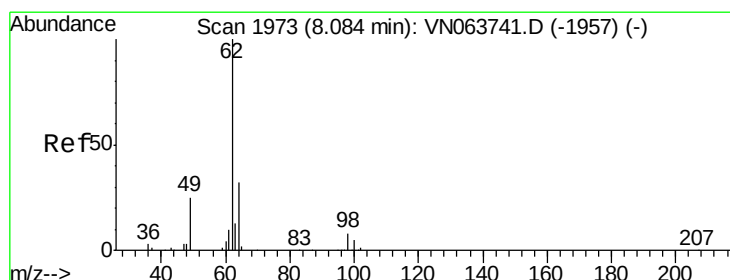
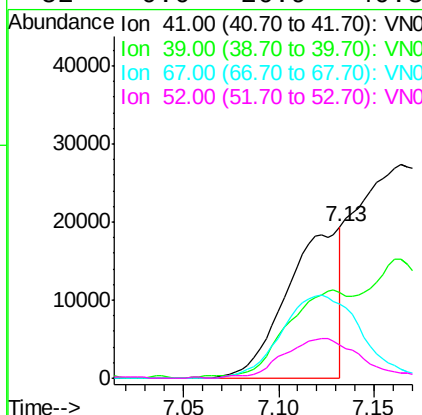
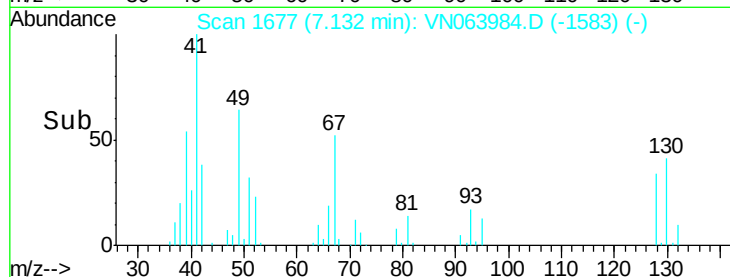
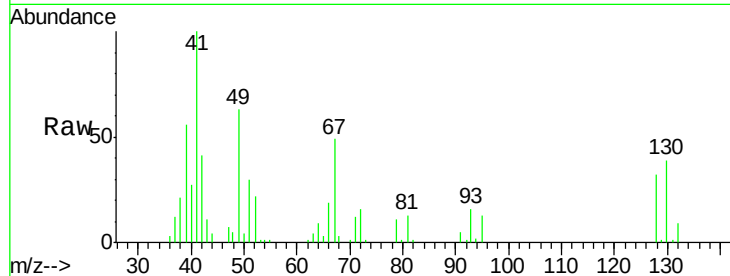
#41
Methacrylonitrile
Concen: 19.357 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

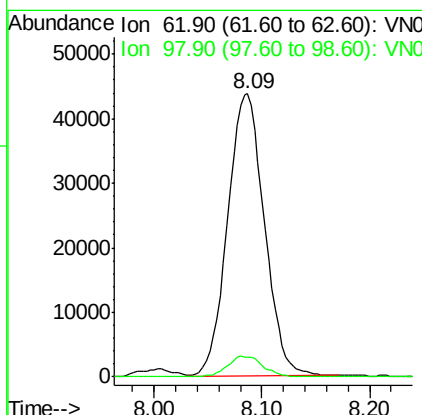
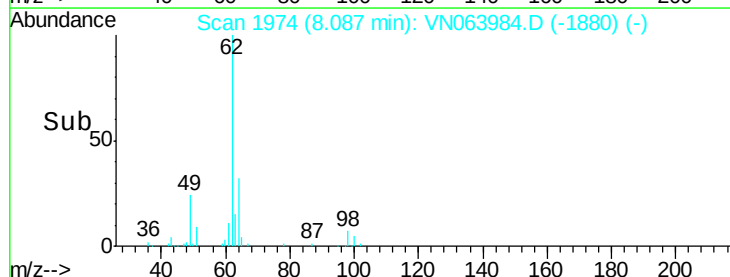
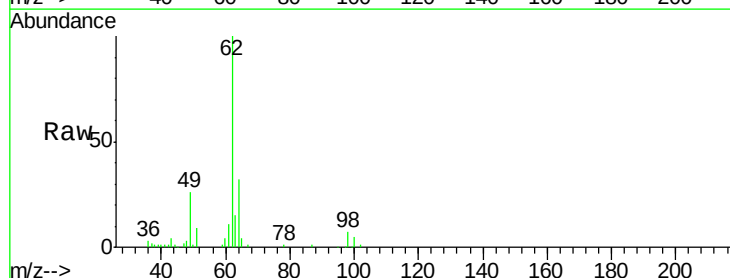
Manual Integrations
APPROVED

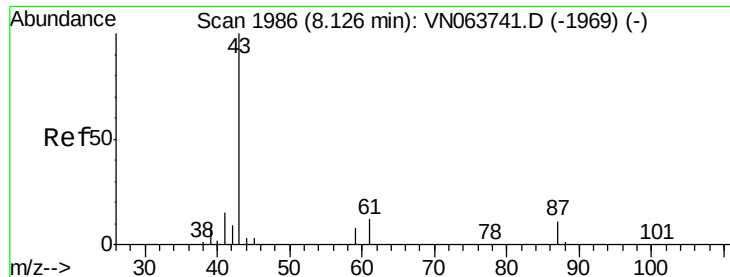
MMDadoda
10/9/2020 4:32:06 PM



#42
1,2-Dichloroethane
Concen: 19.453 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	15.0





#43

Isopropyl Acetate

Concen: 20.466 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

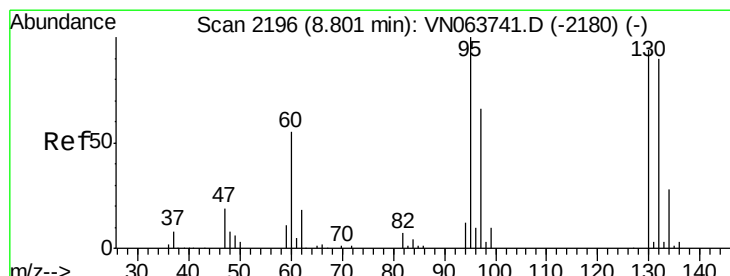
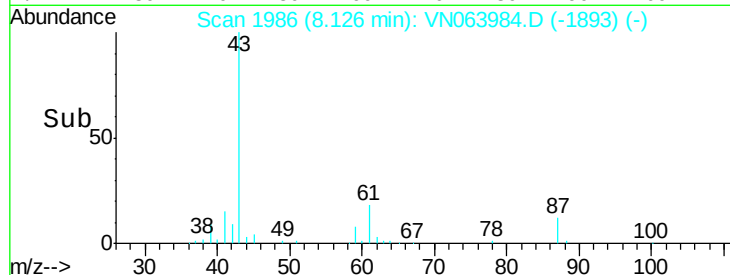
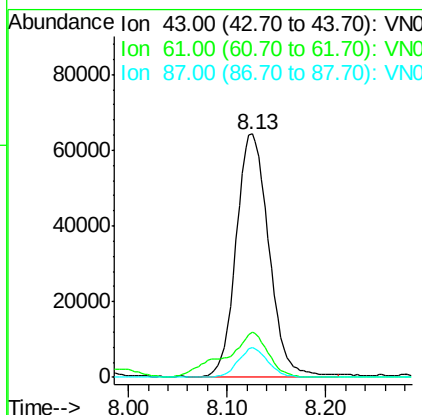
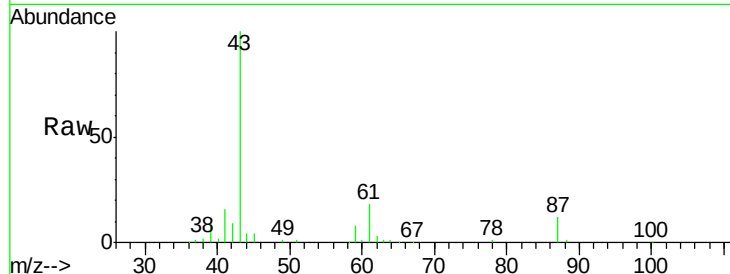
ClientSampleId :

VN1008WBSD01

Tot Ion:	43	Resp:	146466
Ion	Ratio	Lower	Upper
43	100		
61	24.6	14.2	21.4#
87	11.1	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.719 ug/l

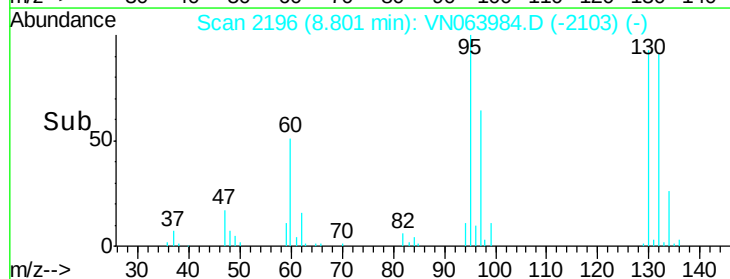
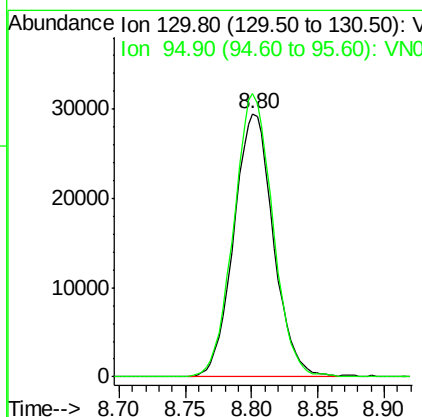
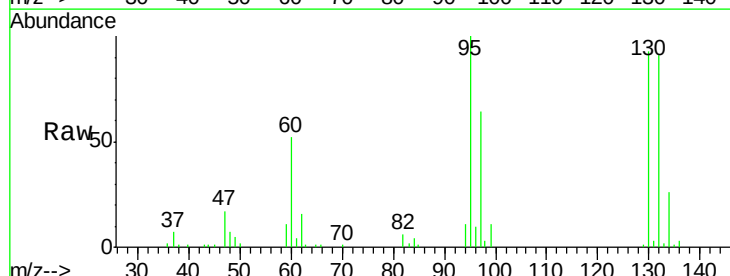
RT: 8.80 min Scan# 2196

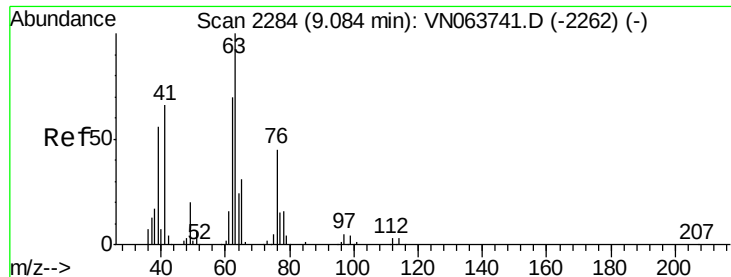
Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	130	Resp:	61176
Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	213.6





#45

1,2-Dichloropropane

Concen: 20.290 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampled :

VN1008WBSD01

Tot Ion: 63 Resp: 68351

Ion Ratio Lower Upper

63 100

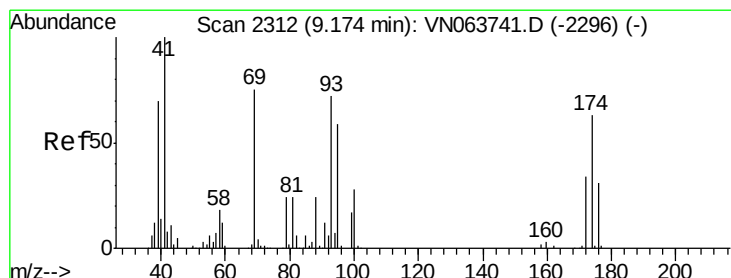
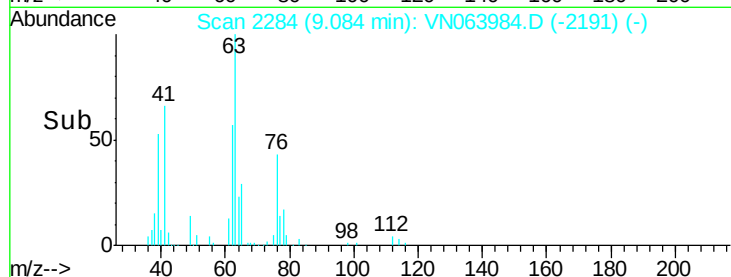
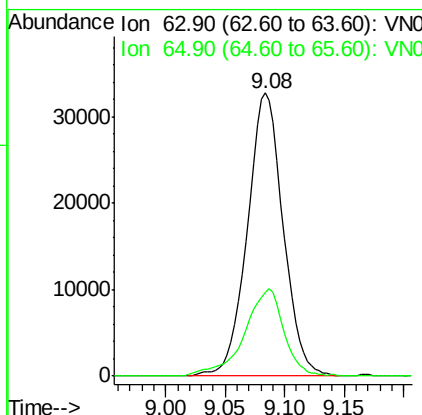
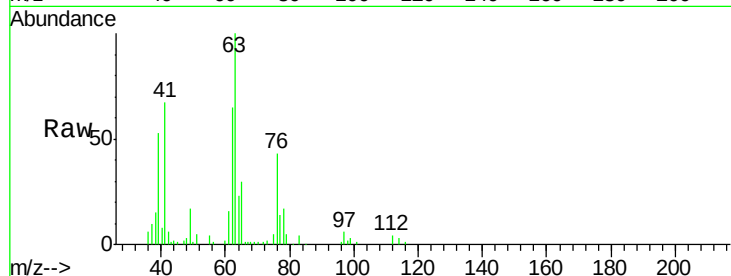
65 29.8 24.7 37.1

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10/9/2020 4:32:06 PM



#46

Dibromomethane

Concen: 19.430 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

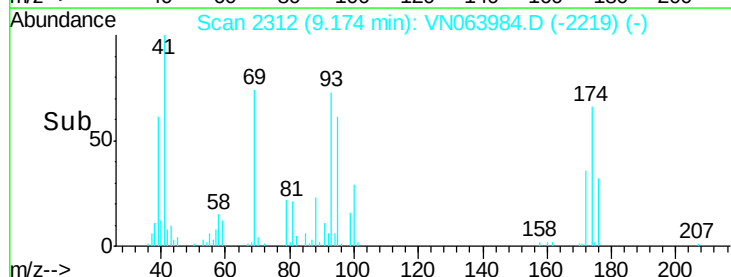
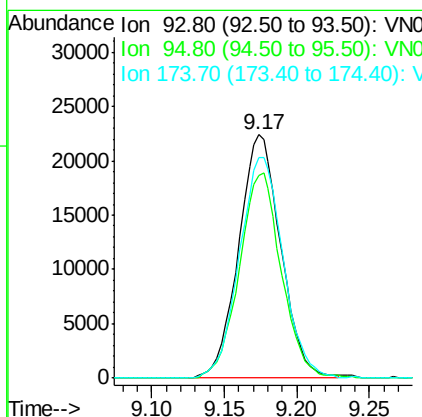
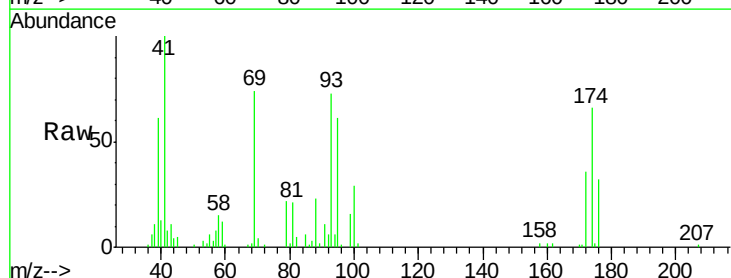
Tgt Ion: 93 Resp: 45152

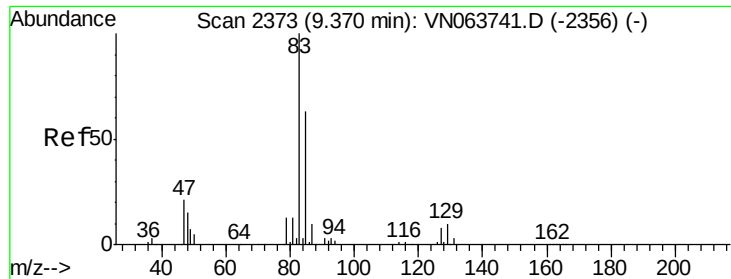
Ion Ratio Lower Upper

93 100

95 84.2 66.3 99.5

174 94.0 72.7 109.1





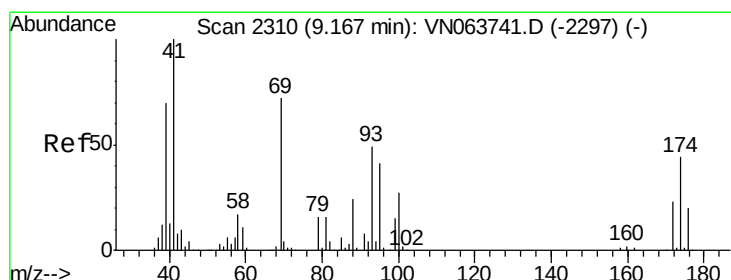
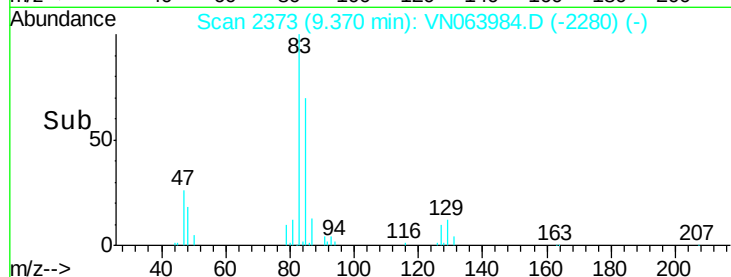
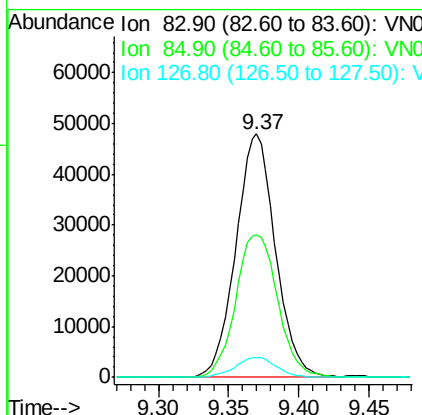
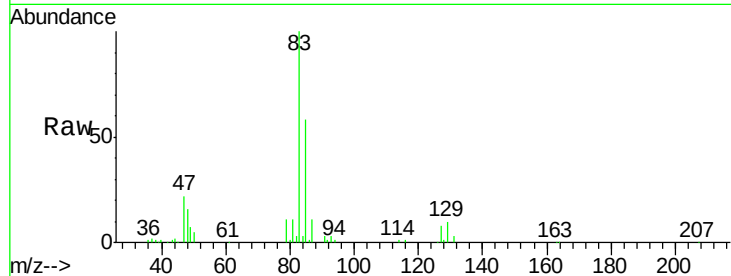
#47
Bromodichloromethane
Concen: 19.620 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	83	Resp	93966
Ion Ratio	100	Lower	Upper
85	58.3	50.6	75.8
127	8.2	6.6	9.8

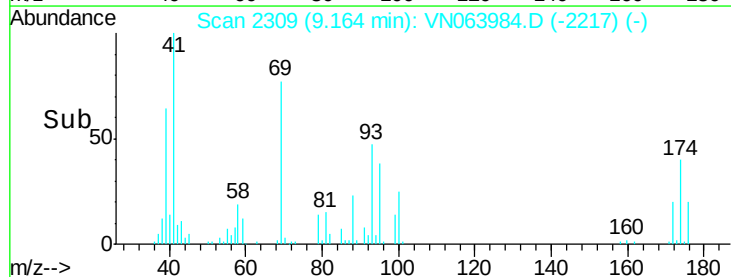
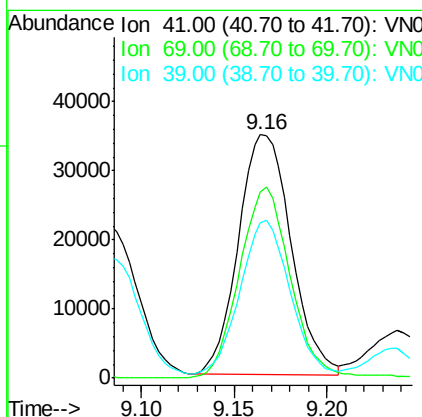
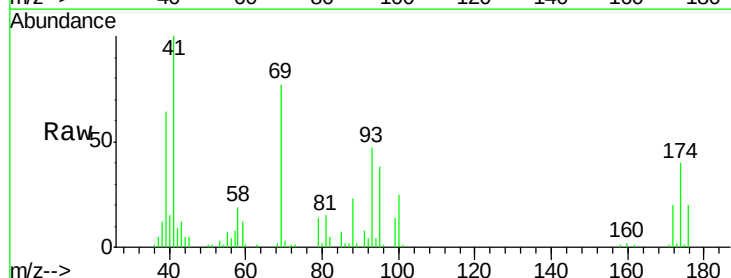
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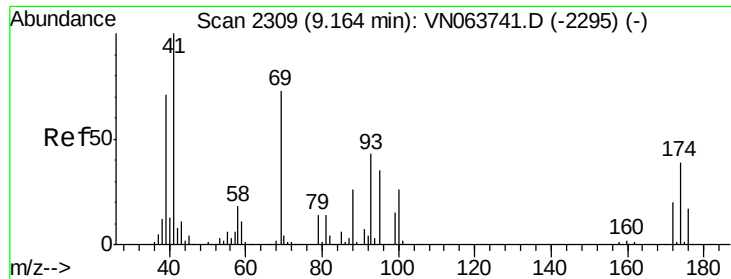
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10/9/2020 4:32:06 PM



#48
Methyl methacrylate
Concen: 19.478 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	41	Resp	68869
Ion Ratio	100	Lower	Upper
69	76.8	60.9	91.3
39	62.9	57.5	86.3





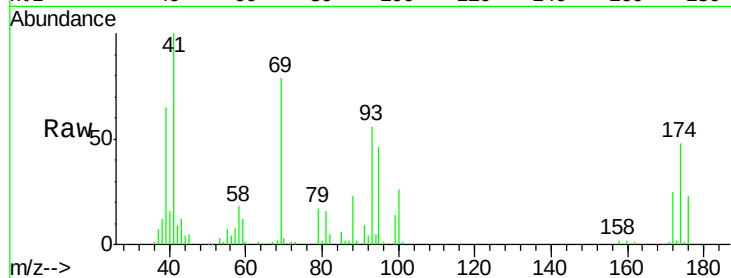
#49
1,4-Dioxane
Concen: 359.753 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.1	49.7
58	76.5	58.9	88.3

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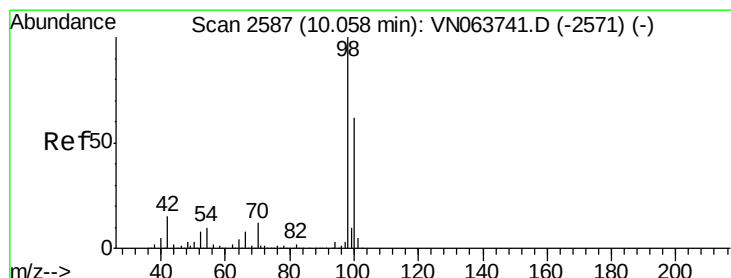
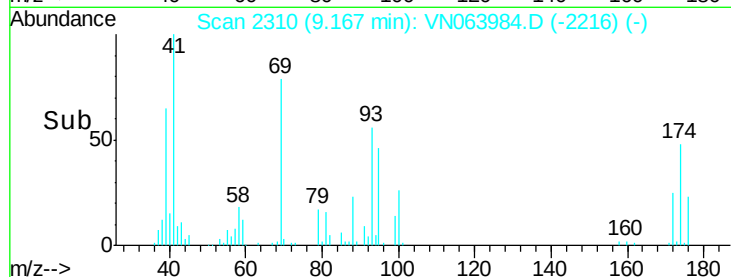
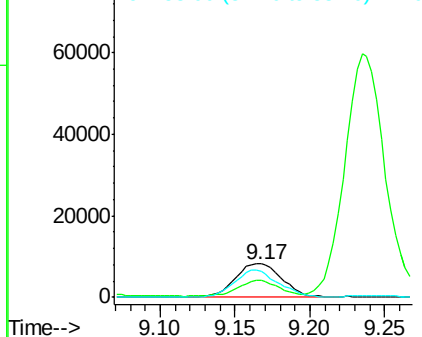


Abundance

Ion 88.00 (87.70 to 88.70): VN063741.D (-2295) (-)

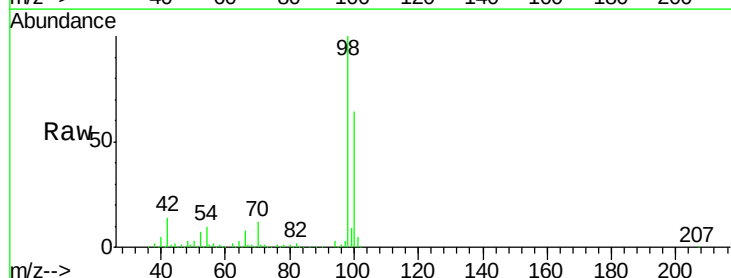
Ion 43.00 (42.70 to 43.70): VN063741.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2295) (-)



#50
Toluene-d8
Concen: 48.427 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

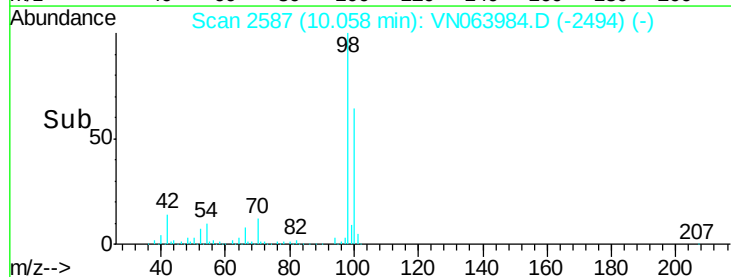
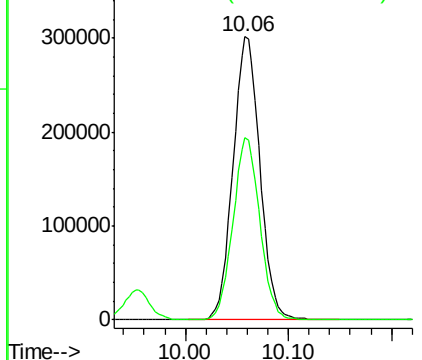
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.6

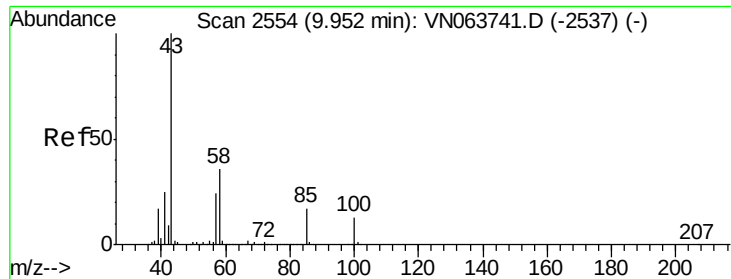


Abundance

Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)





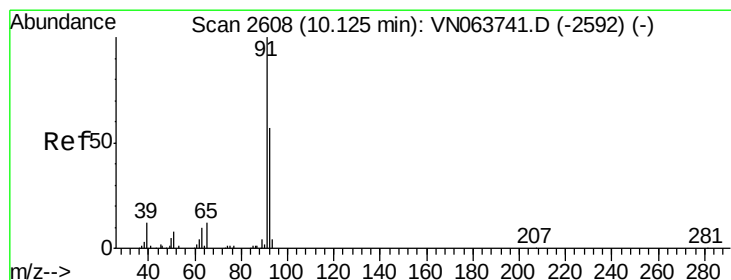
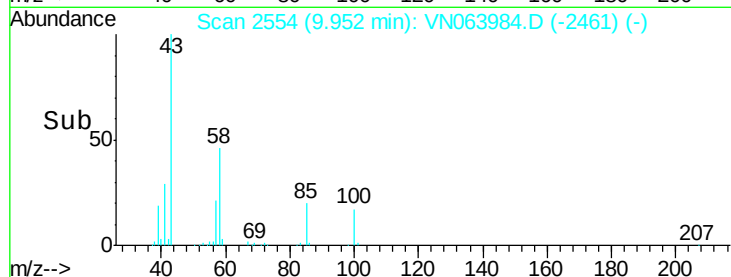
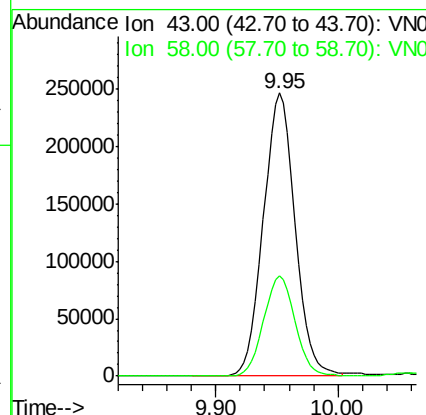
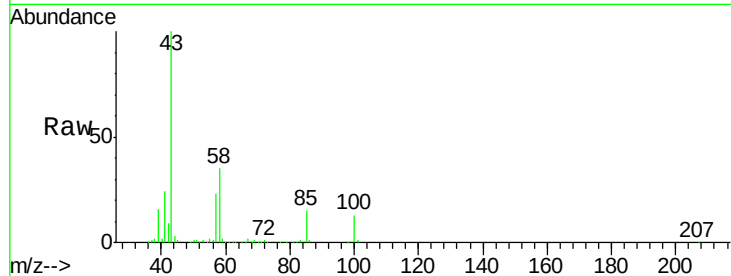
#51
4-Methyl-2-Pentanone
Concen: 105.410 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	43	Resp	442697
Ion Ratio	100	Lower	Upper
58	35.3	28.4	42.6

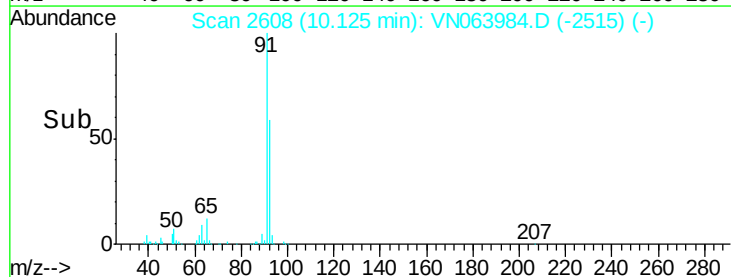
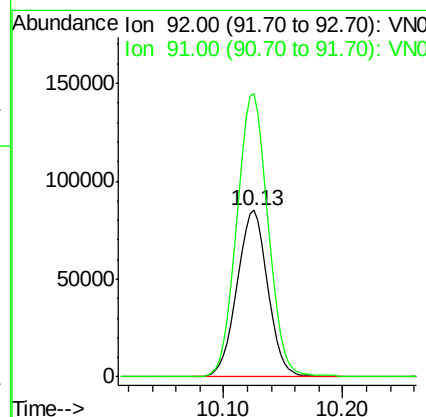
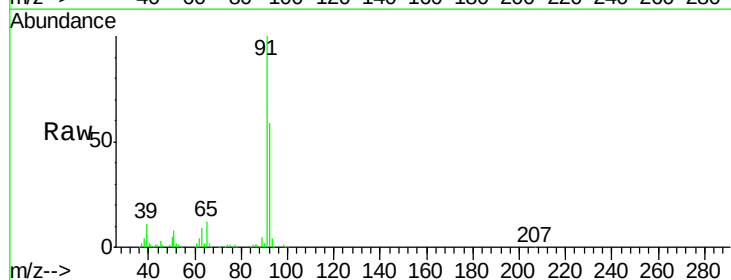
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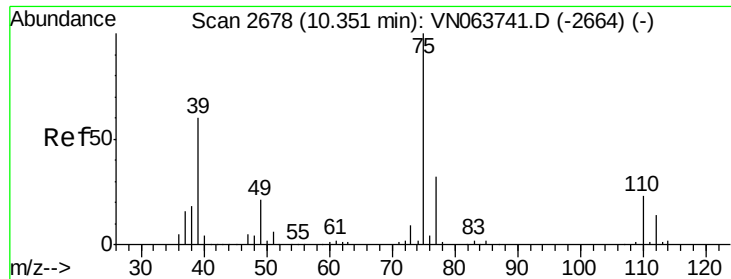
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#52
Toluene
Concen: 19.842 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	92	Resp	153084
Ion Ratio	100	Lower	Upper
91	172.0	140.6	210.8





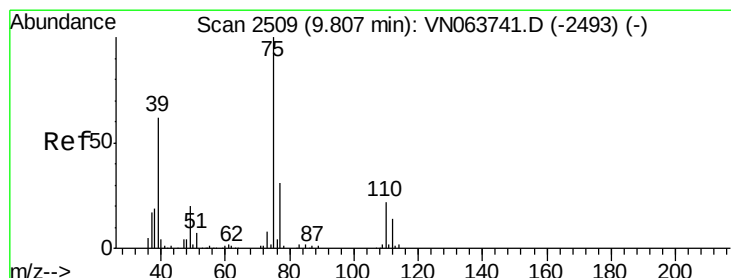
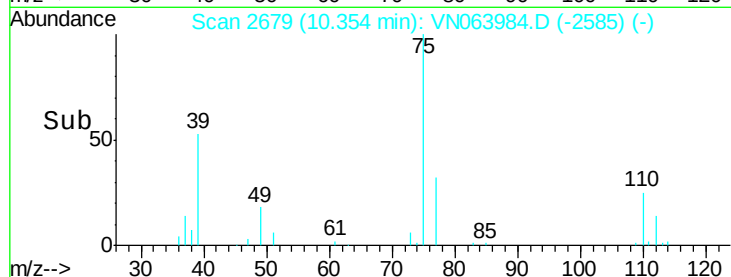
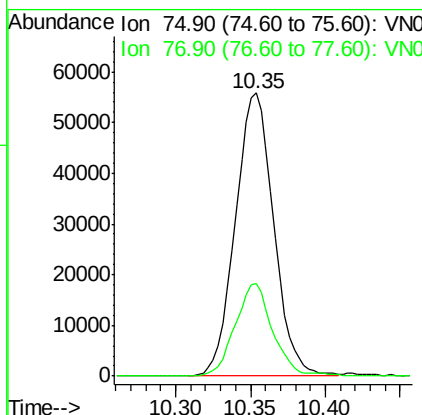
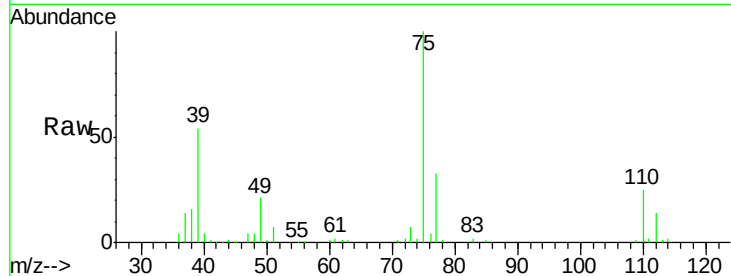
#53
t-1,3-Dichloropropene
Concen: 19.399 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion: 75 Resp: 99593
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

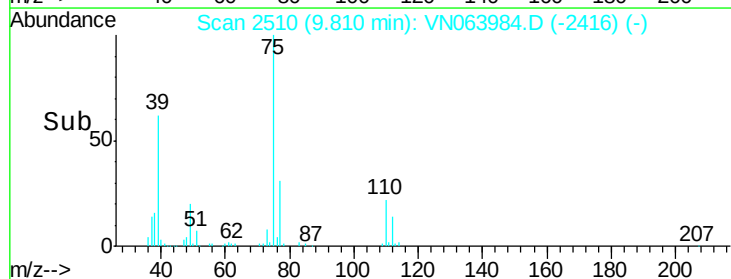
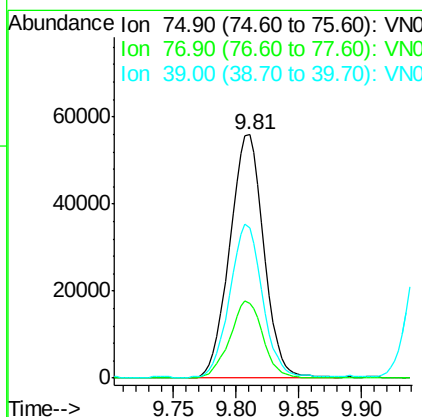
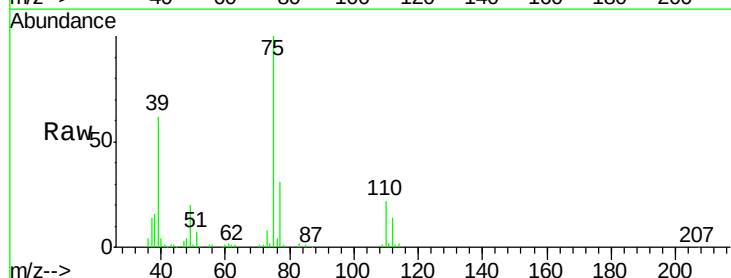
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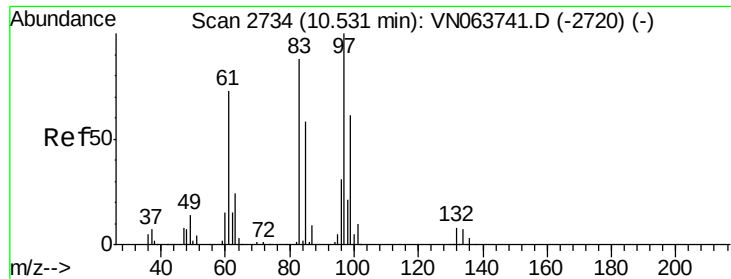
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#54
cis-1,3-Dichloropropene
Concen: 19.650 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion: 75 Resp: 105504
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 61.6 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 20.351 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

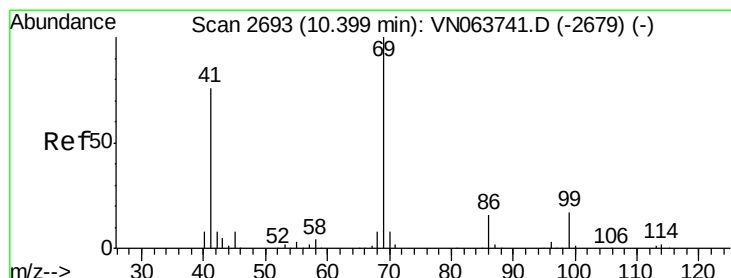
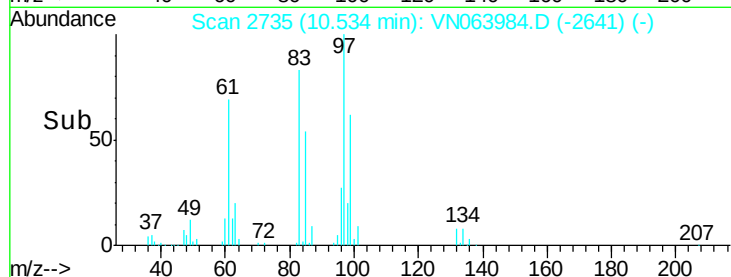
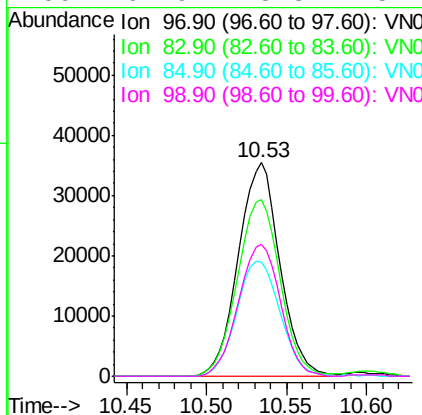
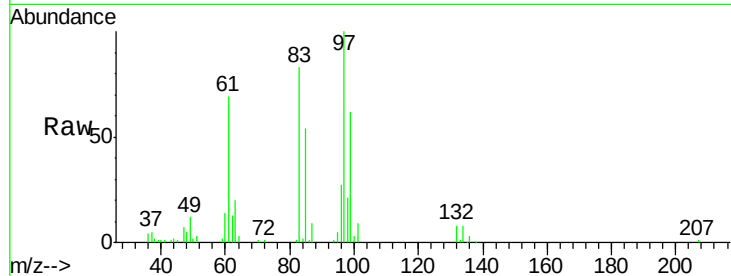
ClientSampleId :

VN1008WBSD01

Tot Ion:	97	Resp:	62967
Ion	Ratio	Lower	Upper
97	100		
83	82.5	70.7	106.1
85	53.5	46.1	69.1
99	61.9	48.8	73.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.448 ug/l

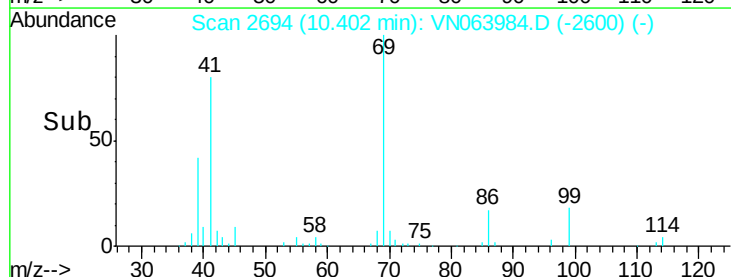
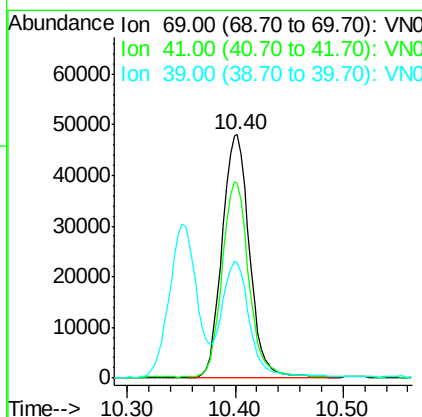
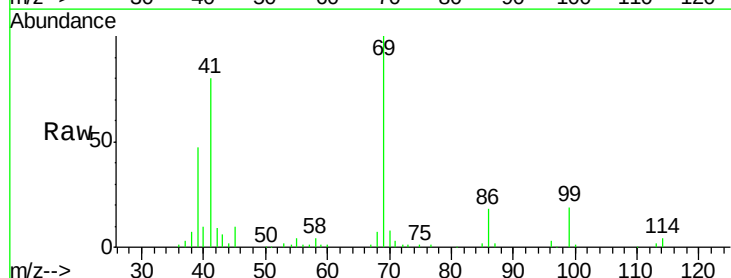
RT: 10.40 min Scan# 2694

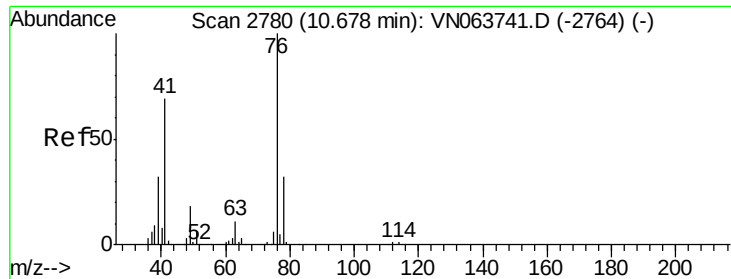
Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	69	Resp:	85294
Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.1	91.7
39	46.5	42.2	63.4





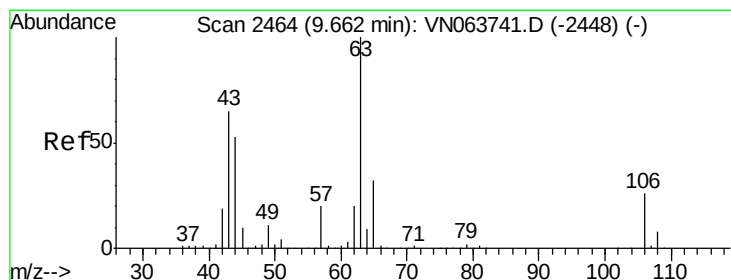
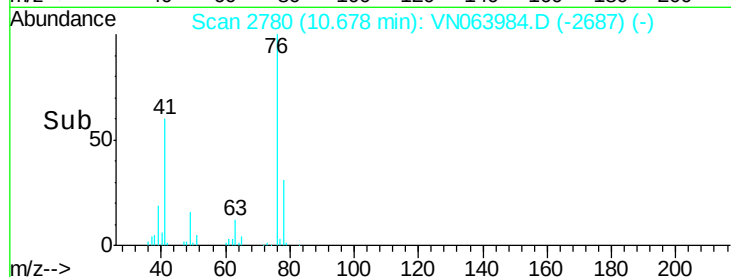
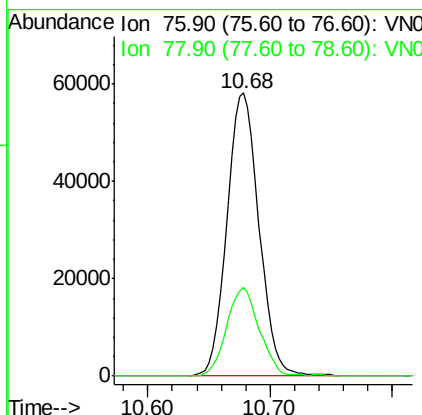
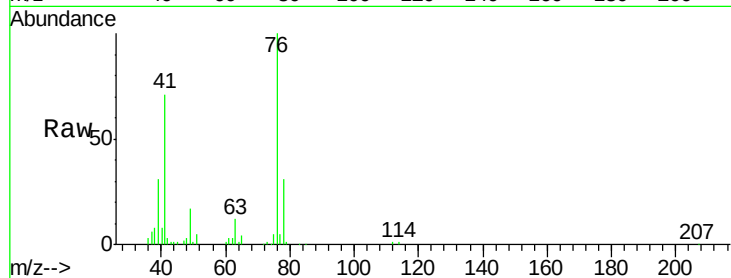
#57
 1,3-Dichloropropane
 Concen: 20.362 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.2	37.8

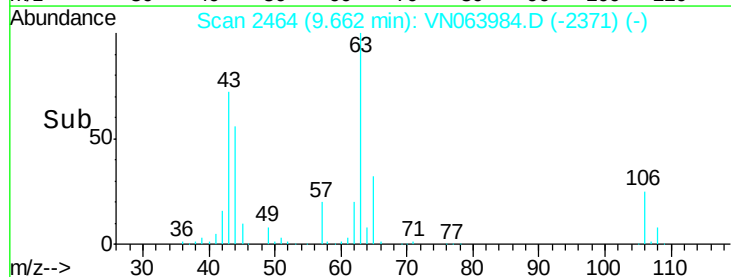
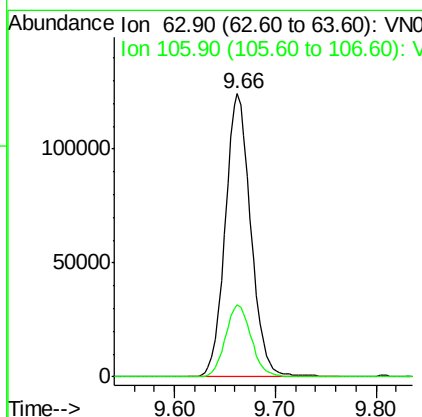
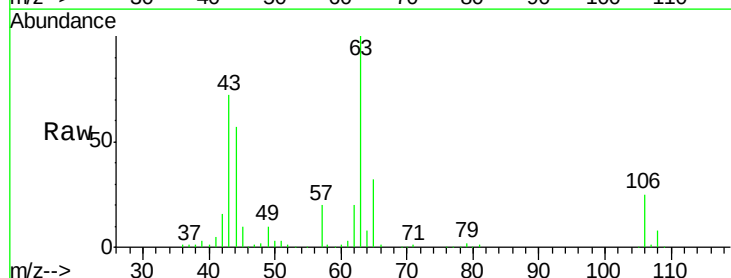
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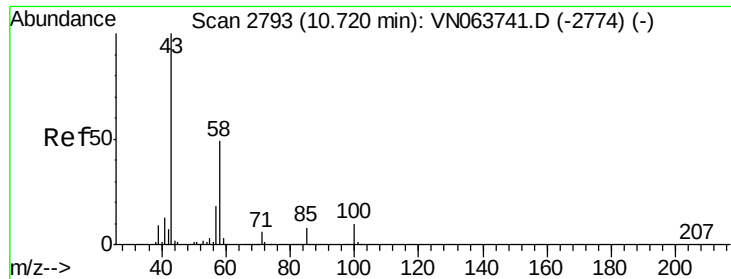
MMDadoda
 10/9/2020 4:32:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.871 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.7	31.1





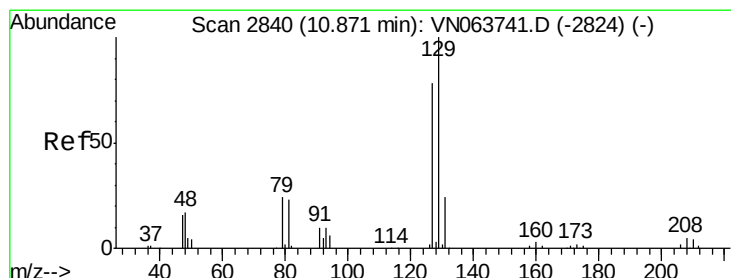
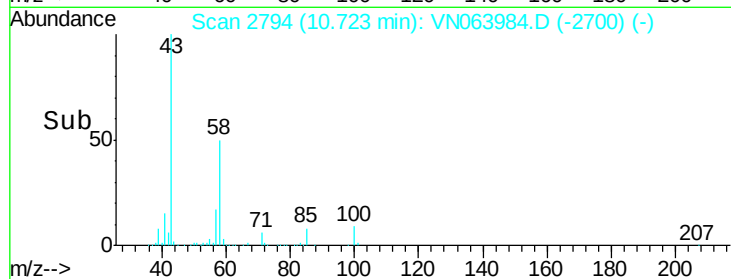
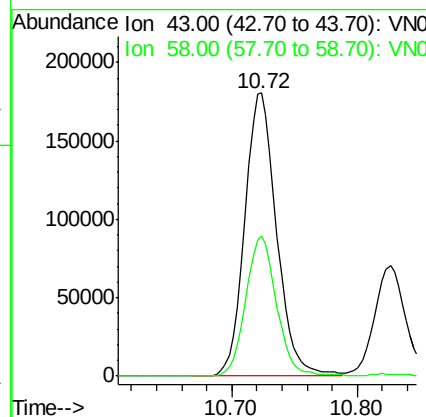
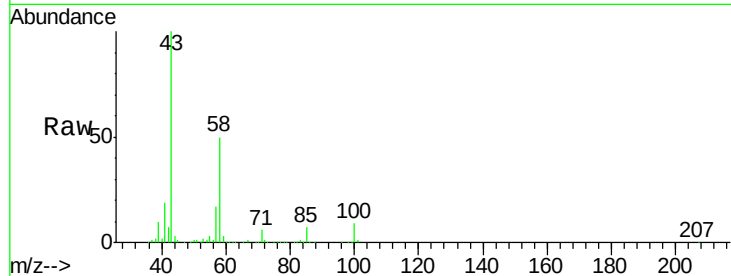
#59
2-Hexanone
Concen: 101.472 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	43	Resp	316579
Ion Ratio	100	Lower	Upper
43	100		
58	48.3	24.6	73.8

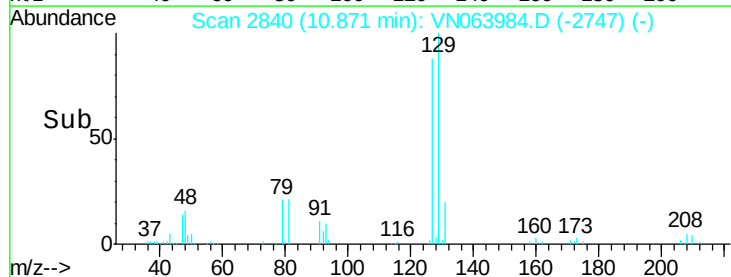
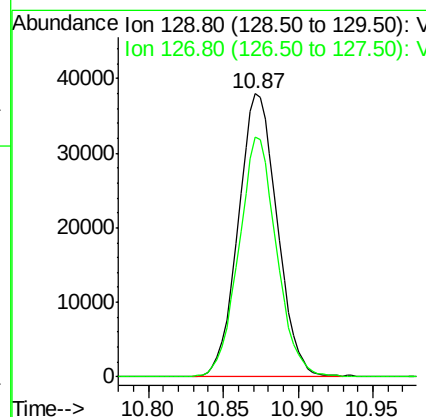
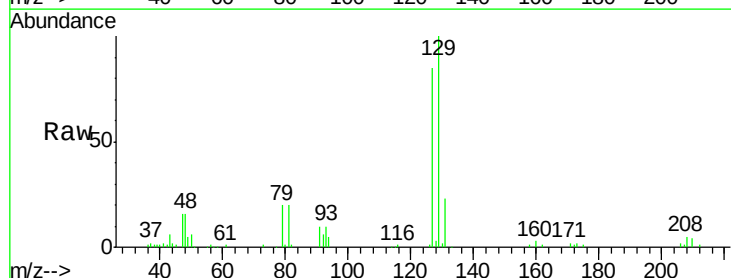
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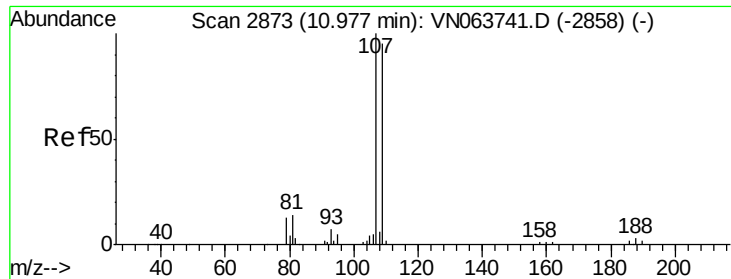
MMDadoda
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#60
Dibromochloromethane
Concen: 19.065 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	129	Resp	68696
Ion Ratio	100	Lower	Upper
129	100		
127	82.3	38.9	116.7





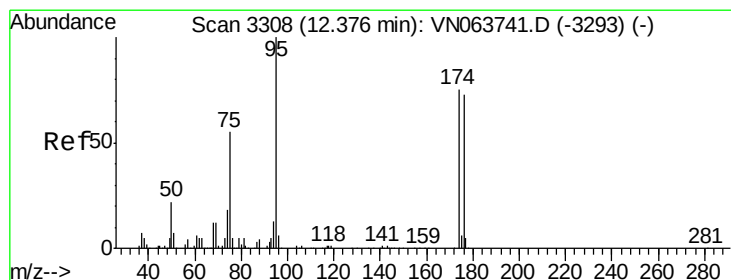
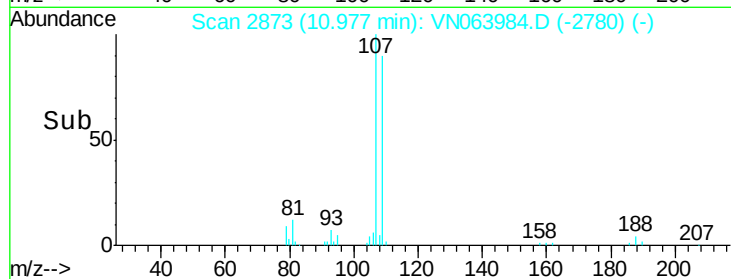
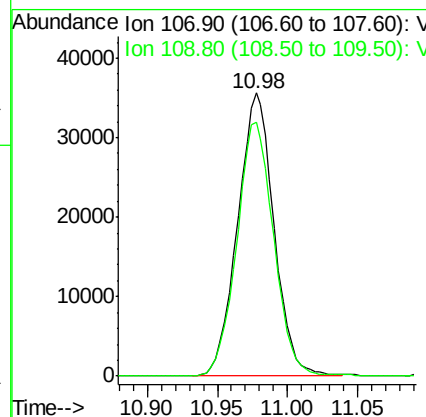
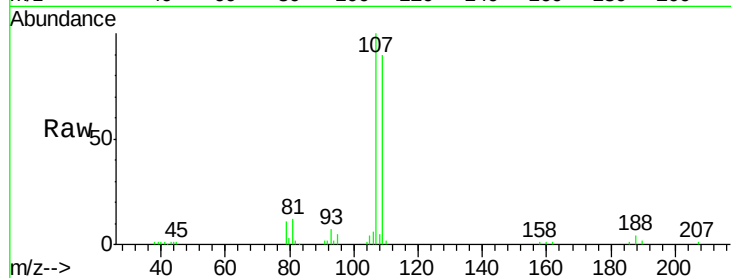
#61
 1,2-Dibromoethane
 Concen: 20.260 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	74.8	112.2

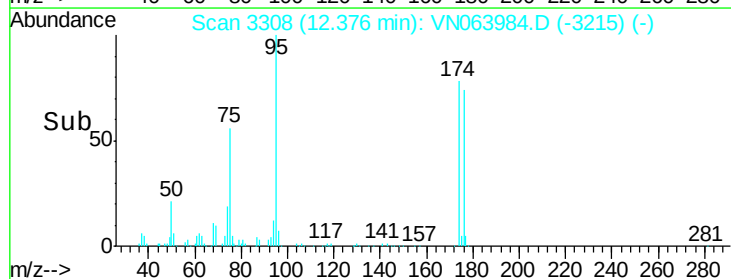
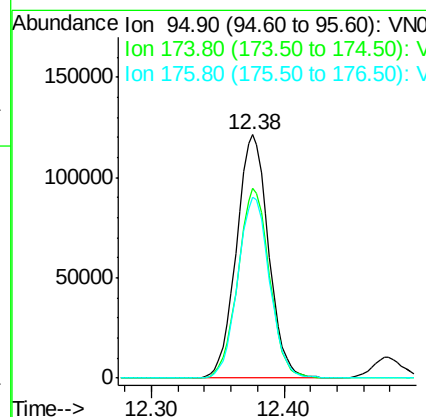
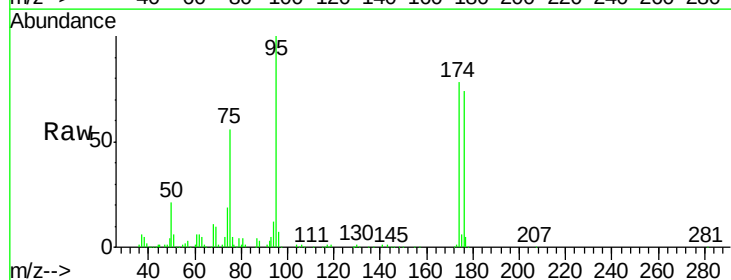
Manual Integrations
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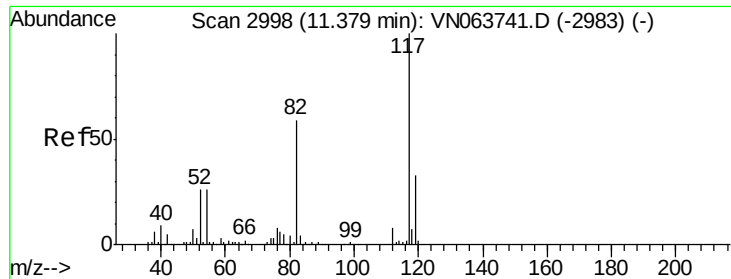
MMDadoda
 10/9/2020 4:32:06 PM



#62
 4-Bromofluorobenzene
 Concen: 47.788 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	150.6
176	73.8	0.0	145.4





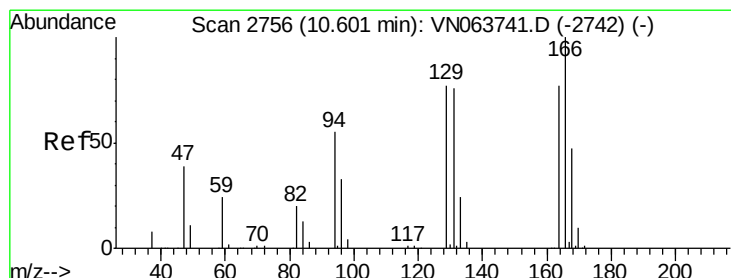
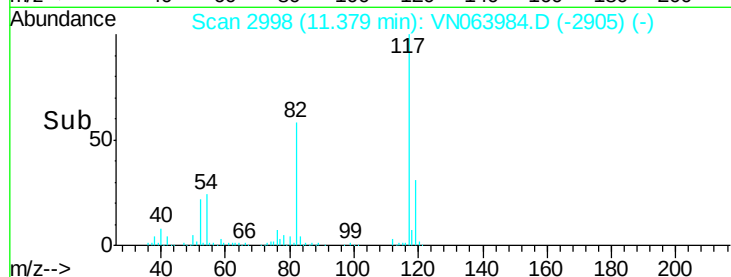
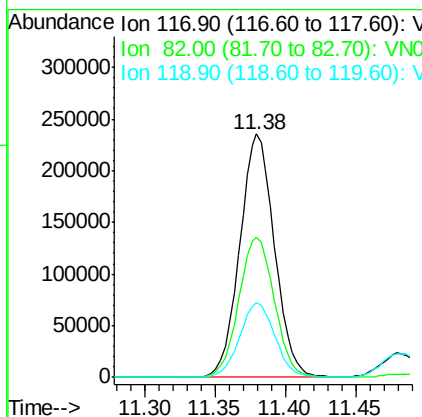
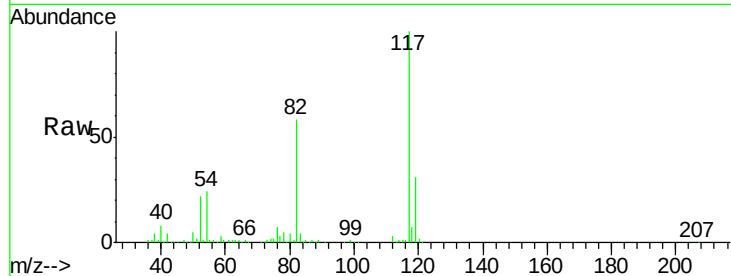
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.2
119	30.7	26.4	39.6

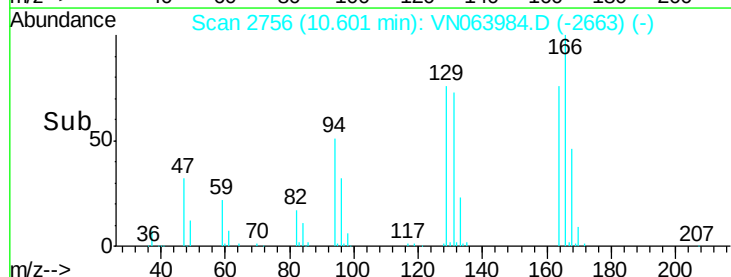
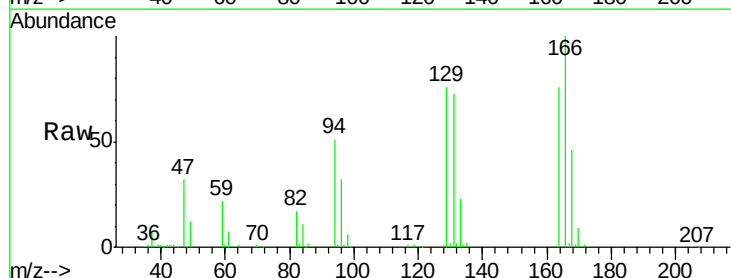
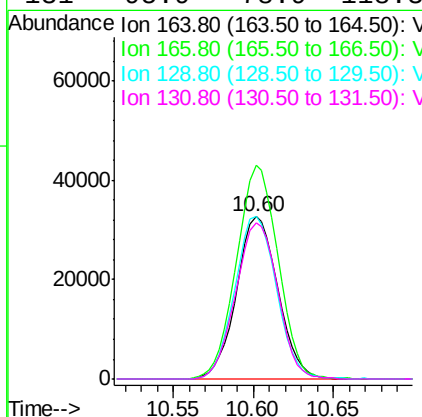
Manual Integrations
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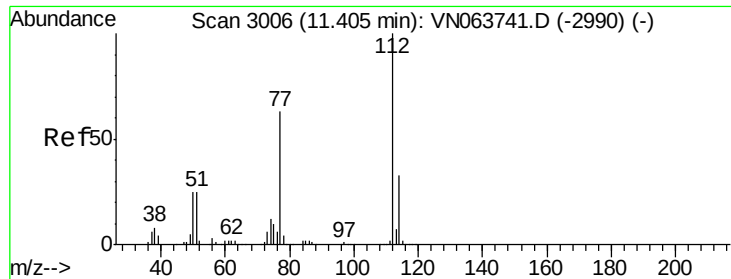
MMDadoda
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#64
Tetrachloroethene
Concen: 18.413 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.9	155.9
129	100.7	80.3	120.5
131	95.9	78.9	118.3





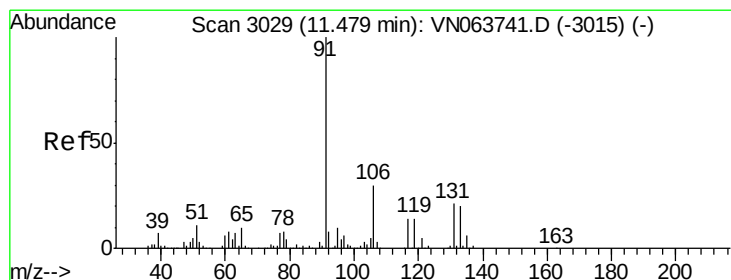
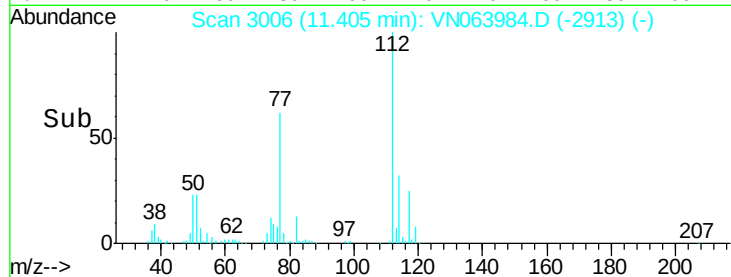
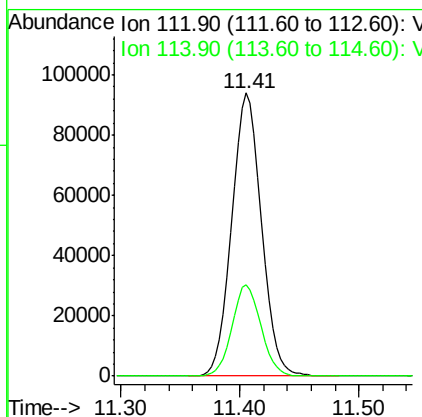
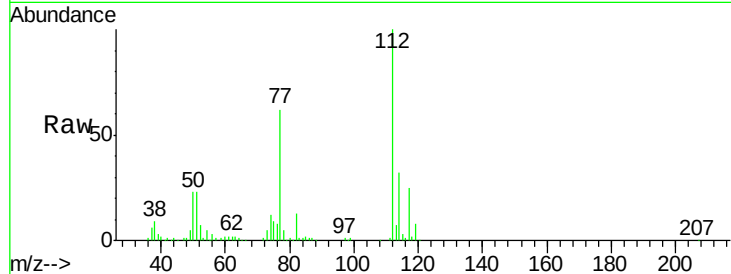
#65
Chlorobenzene
Concen: 19.552 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion:112 Resp: 162576
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1

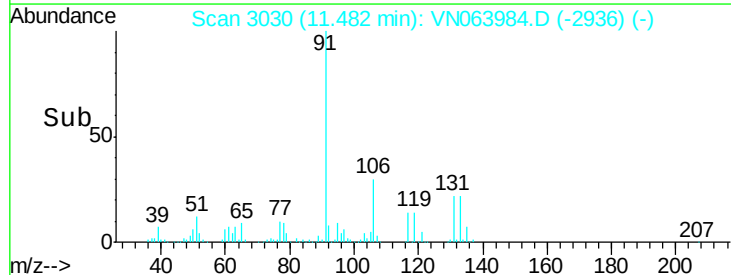
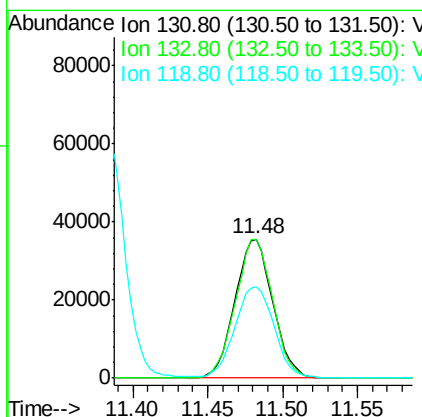
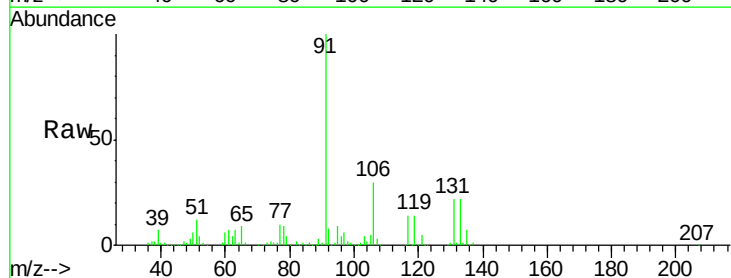
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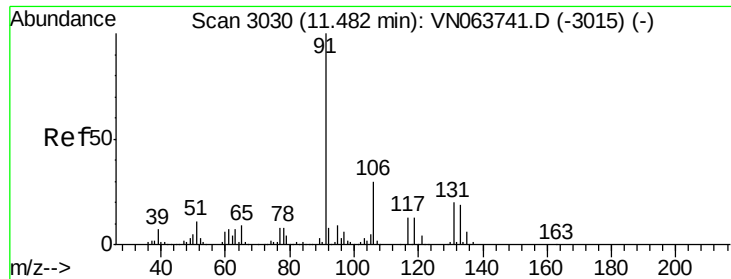
MMDadoda
10/9/2020 4:32:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.591 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion:131 Resp: 62449
Ion Ratio Lower Upper
131 100
133 98.6 47.3 141.8
119 68.8 32.6 97.7





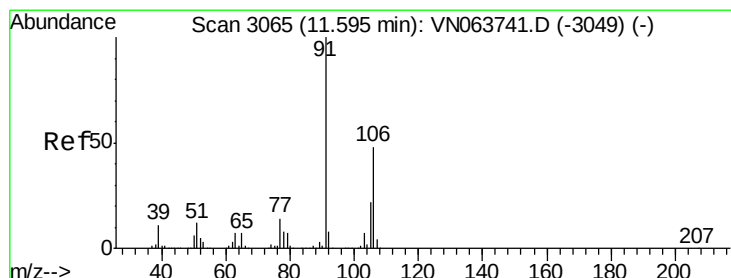
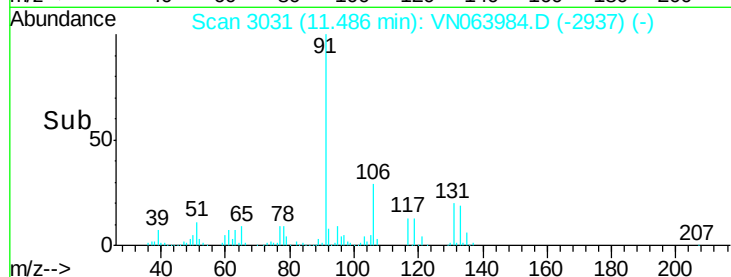
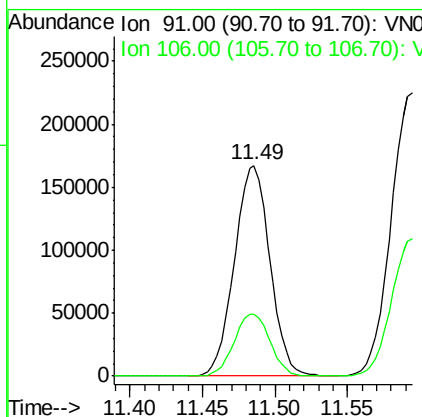
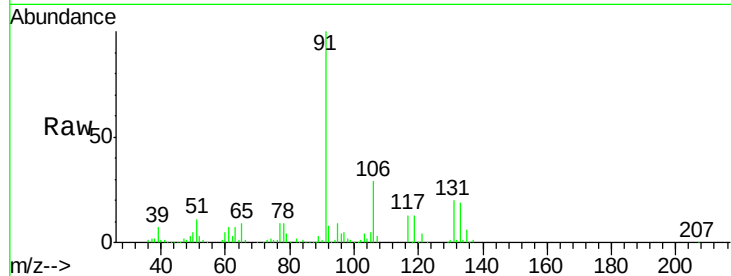
#67
Ethyl Benzene
Concen: 18.784 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampled :
VN1008WBSD01

Tot Ion: 91 Resp: 284204
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2

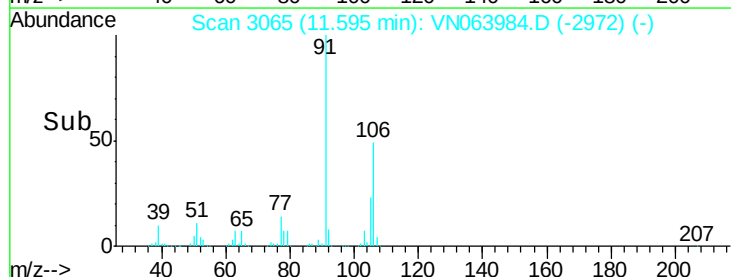
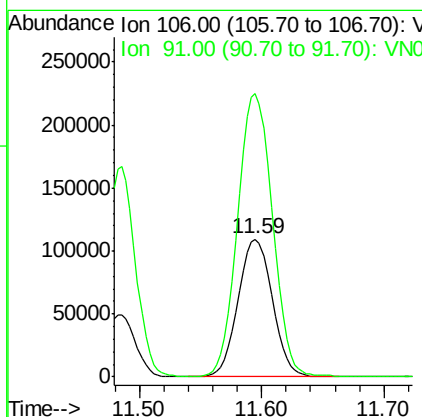
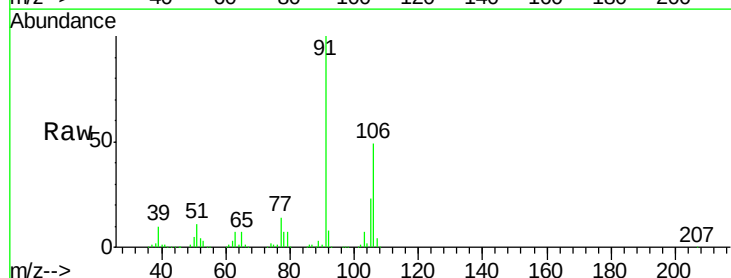
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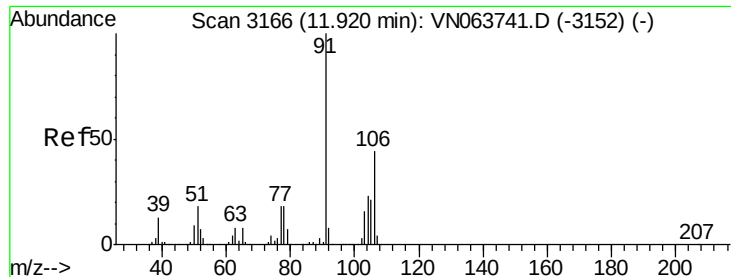
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#68
m/p-Xylenes
Concen: 37.783 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion: 106 Resp: 213055
Ion Ratio Lower Upper
106 100
91 208.3 168.0 252.0





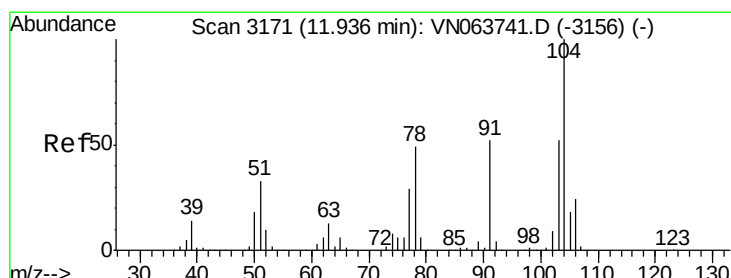
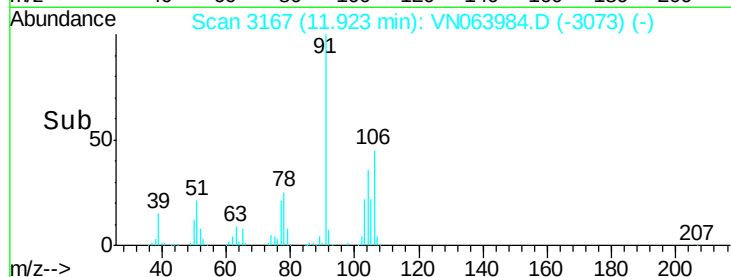
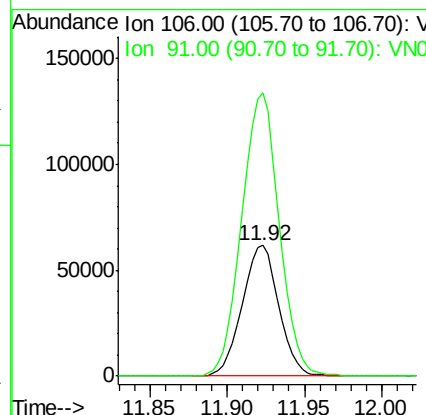
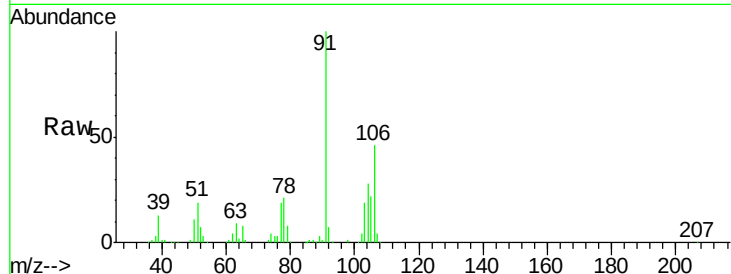
#69
o-Xylene
Concen: 19.310 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampled :
VN1008WBSD01

Tot Ion:106 Resp: 101776
Ion Ratio Lower Upper
106 100
91 222.1 112.7 338.0

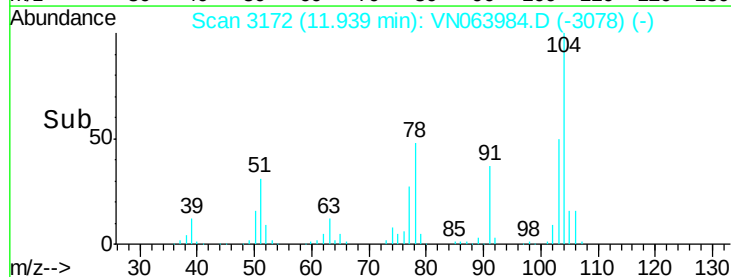
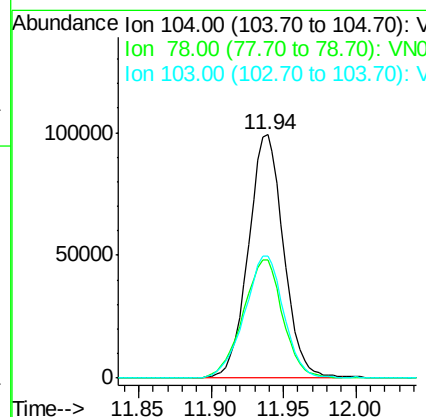
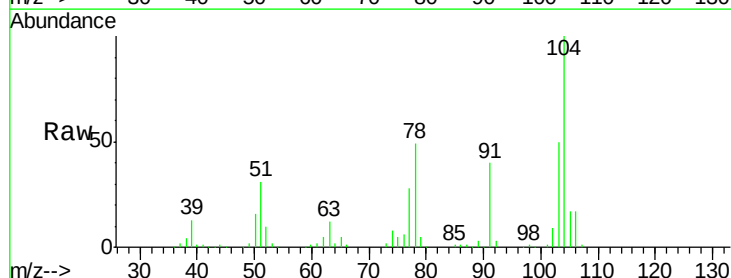
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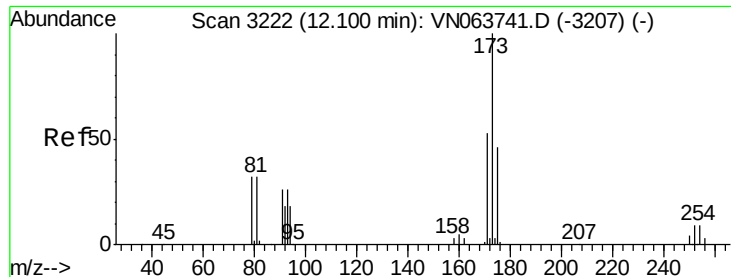
MMDadoda
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#70
Styrene
Concen: 18.776 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion:104 Resp: 167979
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 56.1 44.3 66.5





#71

Bromoform

Concen: 19.220 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

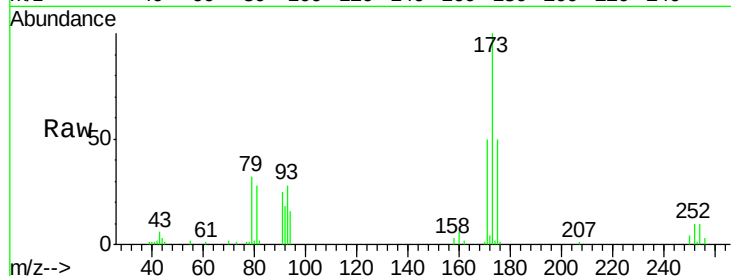
ClientSampled :

VN1008WBSD01

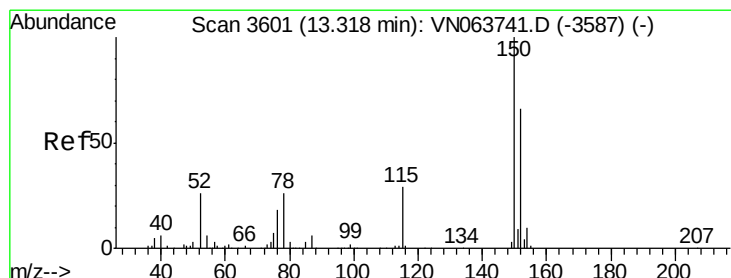
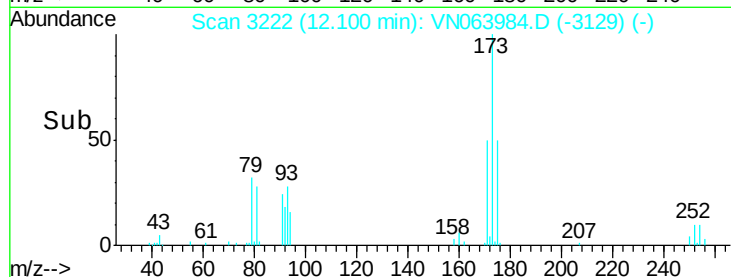
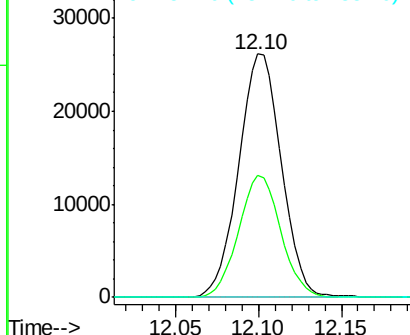
Tot Ion:	173	Resp:	46859
Ion Ratio	Lower	Upper	
173	100		
175	49.6	23.5	70.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

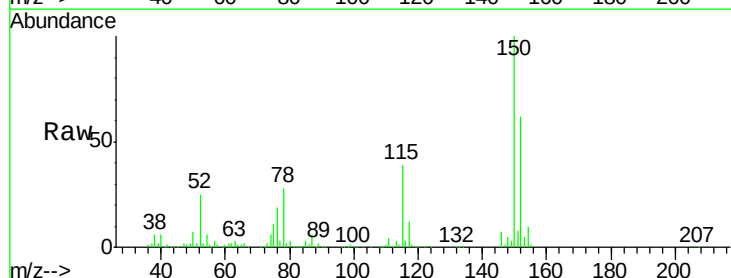
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

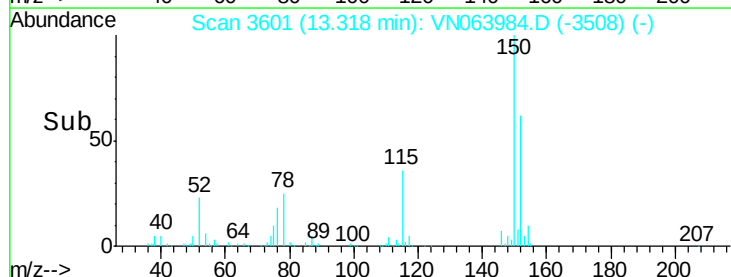
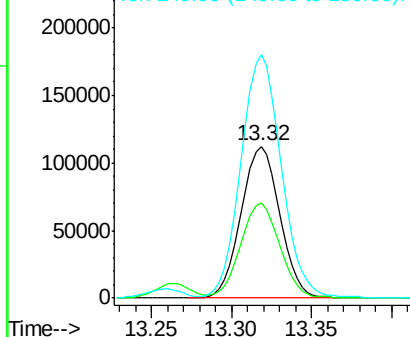
Lab File: VN063984.D

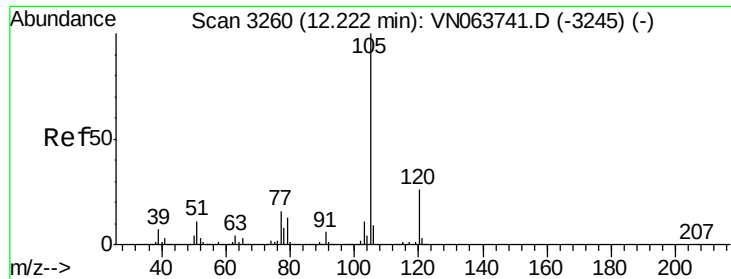
Acq: 8 Oct 2020 12:31

Tgt Ion:	152	Resp:	185543
Ion Ratio	Lower	Upper	
152	100		
115	63.2	31.3	93.8
150	166.7	0.0	341.8



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





#73

Isopropylbenzene

Concen: 19.643 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampled :

VN1008WBSD01

Tot Ion: 105 Resp: 265835

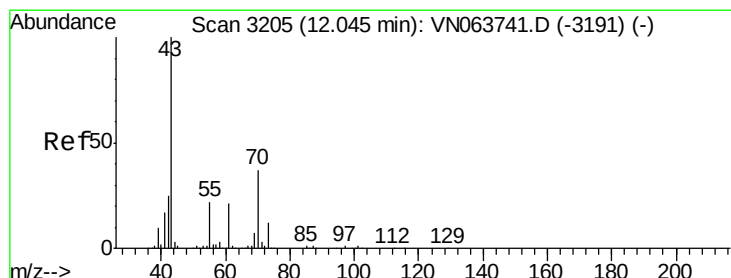
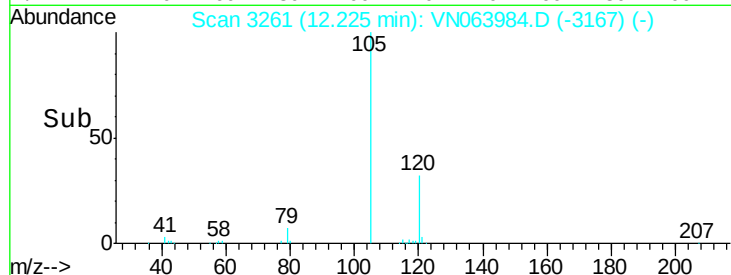
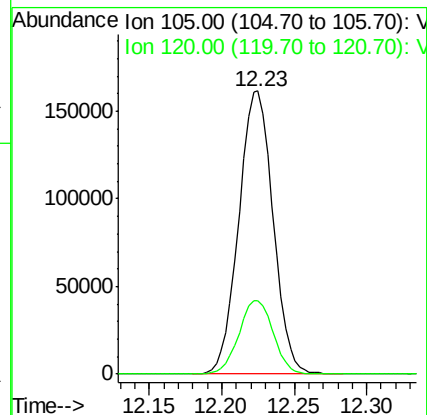
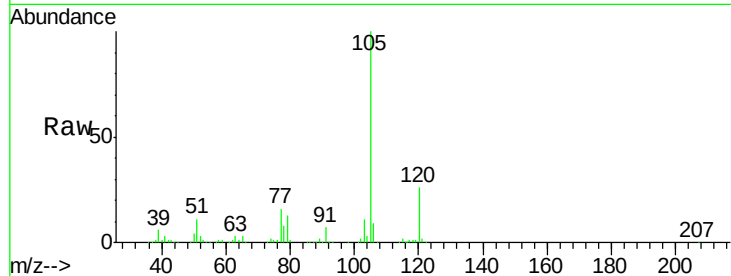
Ion Ratio Lower Upper

105 100

120 25.9 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.394 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion: 43 Resp: 119644

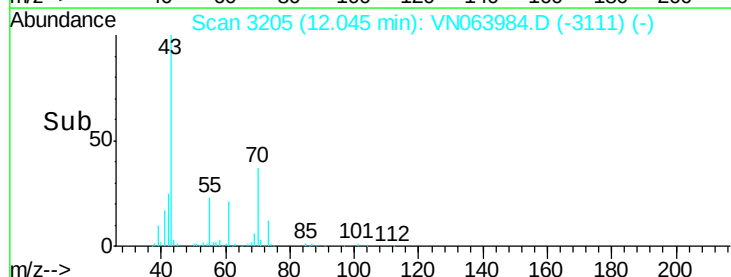
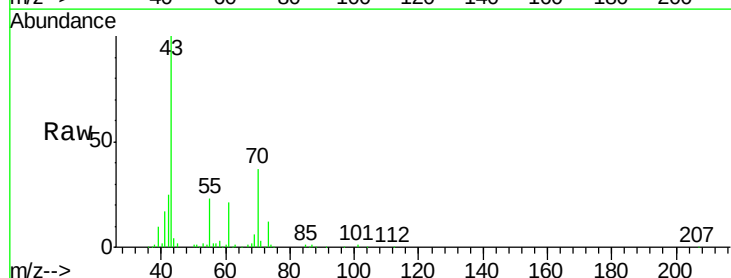
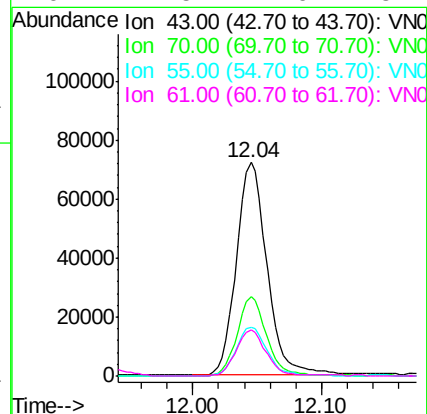
Ion Ratio Lower Upper

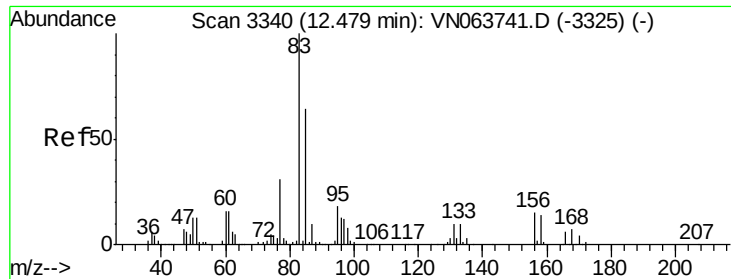
43 100

70 35.6 29.8 44.8

55 23.5 17.9 26.9

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.914 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 83 Resp: 86548

Ion Ratio Lower Upper

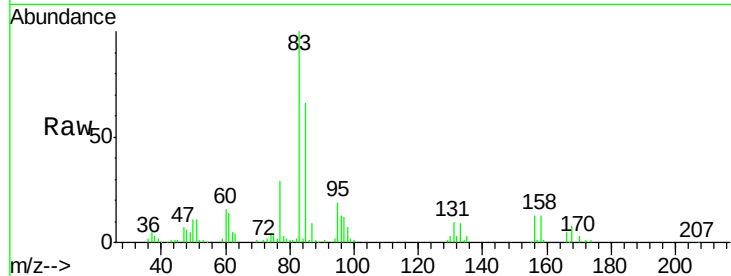
83 100

131 11.0 5.3 15.8

85 64.7 31.3 93.8

Manual Integrations
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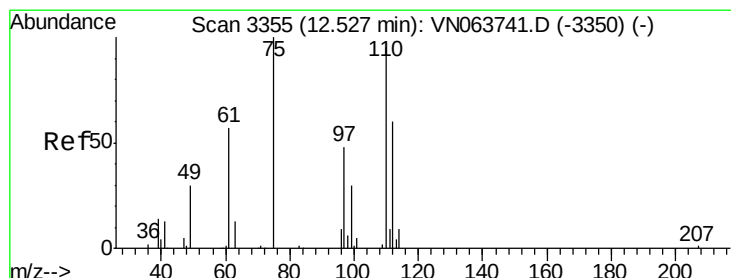
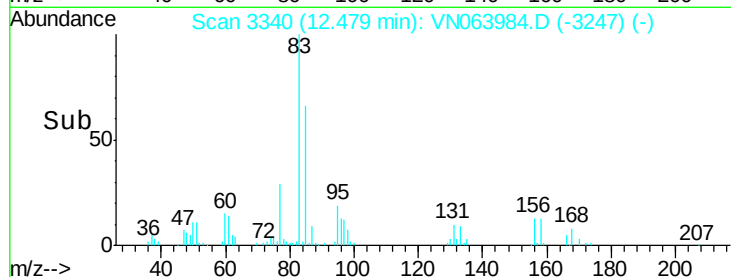
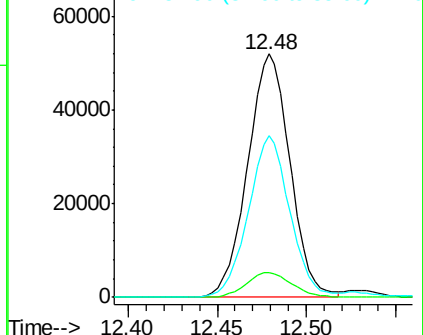
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.714 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063984.D

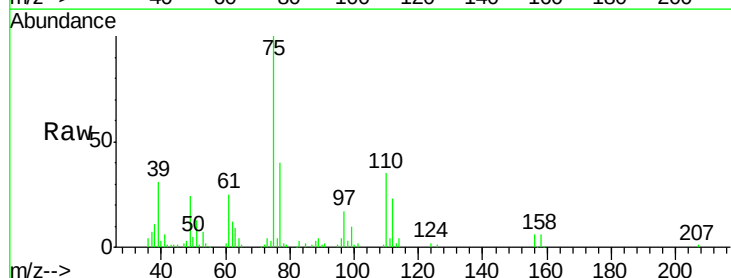
Acq: 8 Oct 2020 12:31

Tgt Ion: 75 Resp: 84722

Ion Ratio Lower Upper

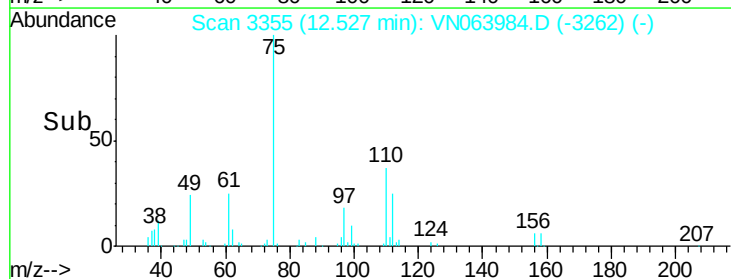
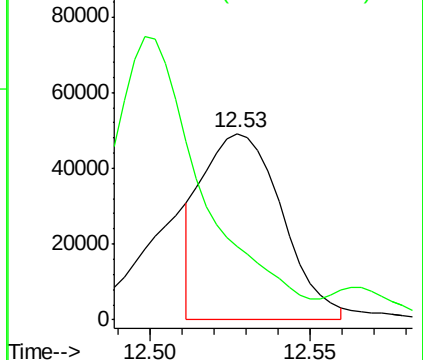
75 100

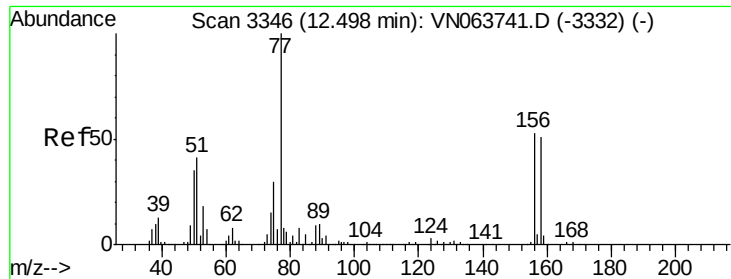
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.490 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion:156 Resp: 68042

Ion Ratio Lower Upper

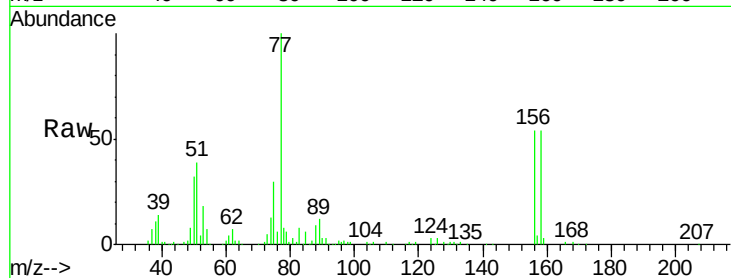
156 100

77 224.8 110.9 332.7

158 100.0 47.7 143.1

Manual Integrations
APPROVED

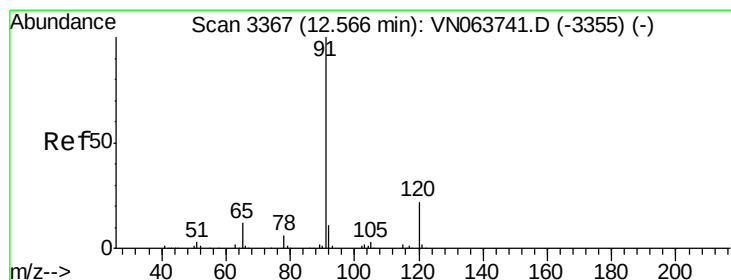
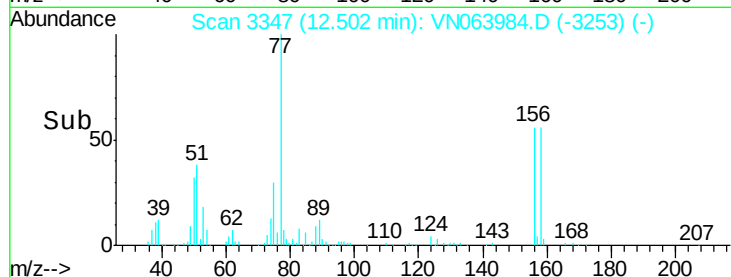
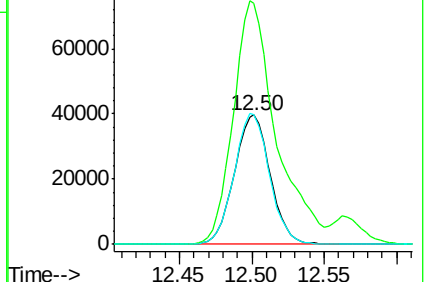
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.419 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063984.D

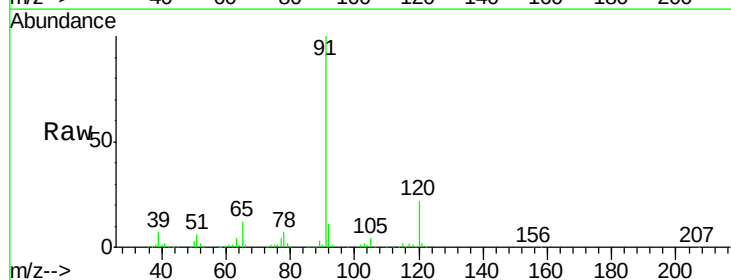
Acq: 8 Oct 2020 12:31

Tgt Ion: 91 Resp: 305850

Ion Ratio Lower Upper

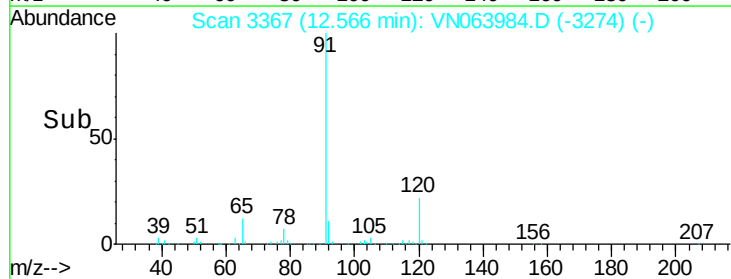
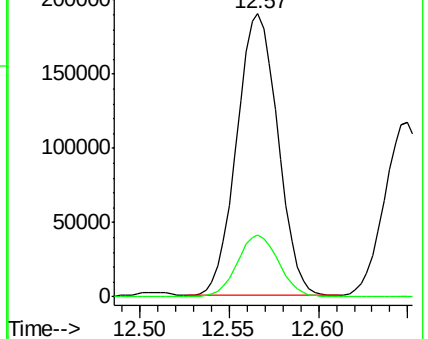
91 100

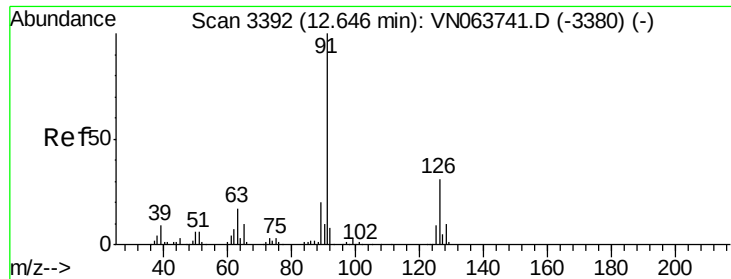
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.010 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampled :

VN1008WBSD01

Tot Ion: 91 Resp: 193824

Ion Ratio Lower Upper

91 100

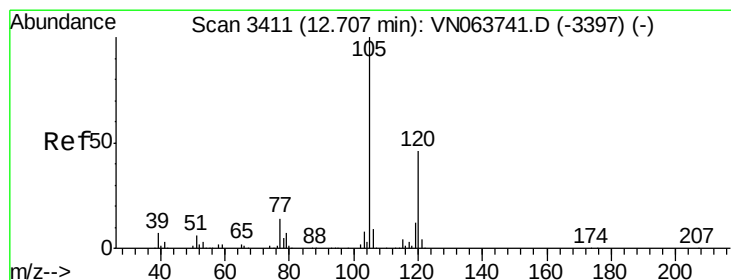
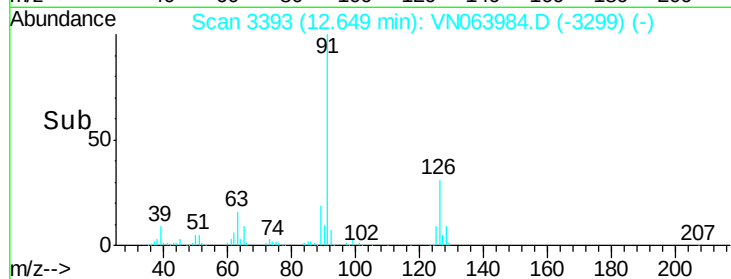
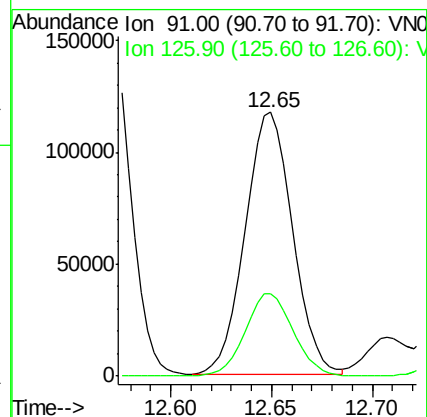
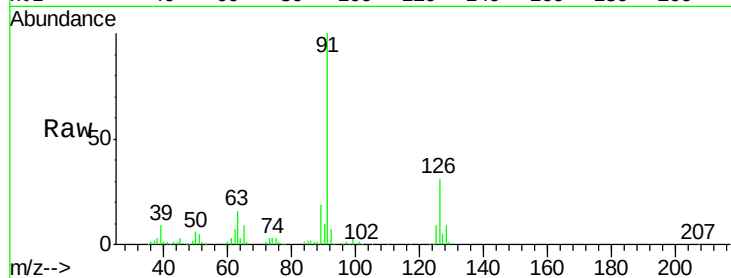
126 31.9 15.9 47.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.624 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063984.D

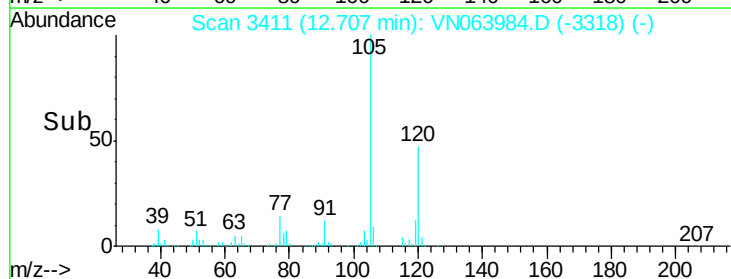
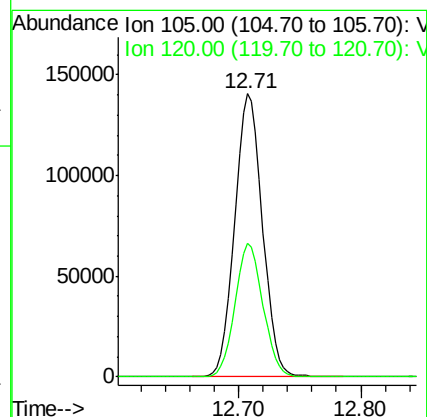
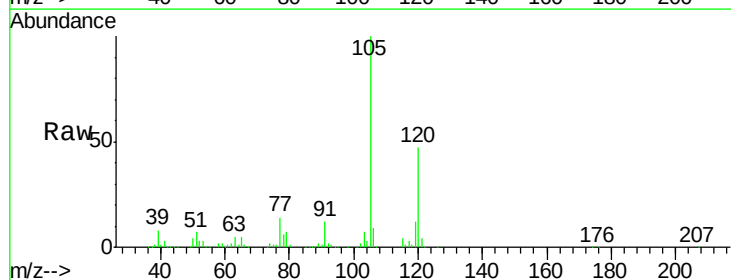
Acq: 8 Oct 2020 12:31

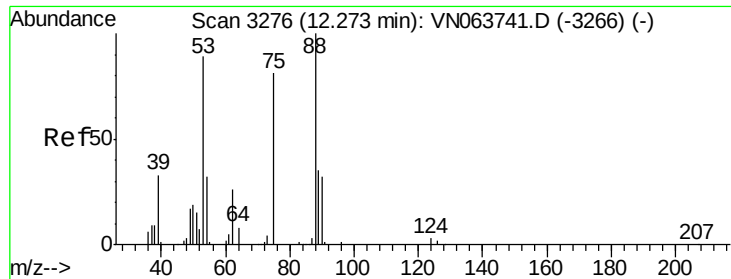
Tgt Ion: 105 Resp: 222809

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.9





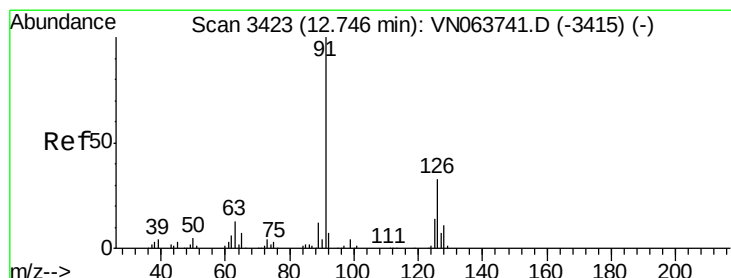
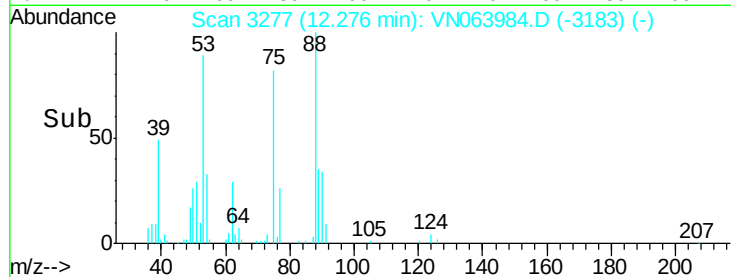
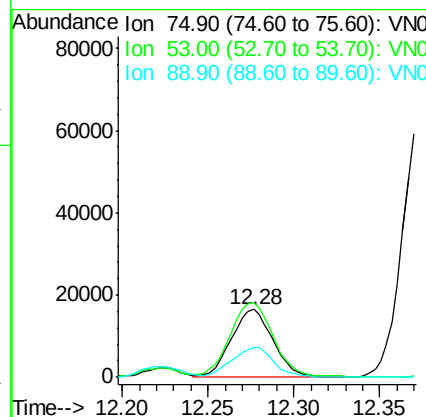
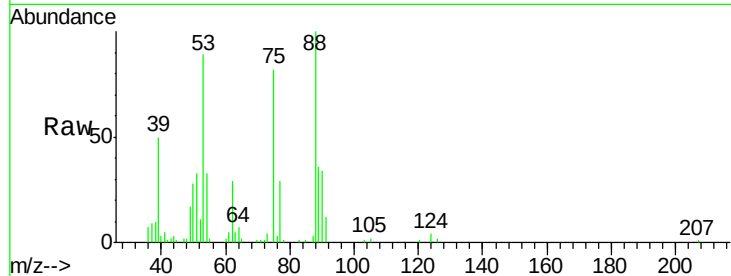
#81
trans-1,4-Dichloro-2-butene
Concen: 19.732 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.6	88.2	132.2
89	45.5	36.0	54.0

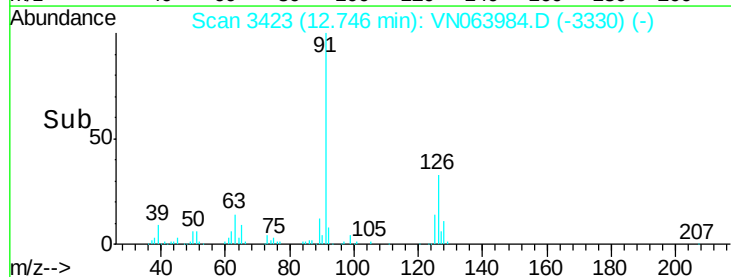
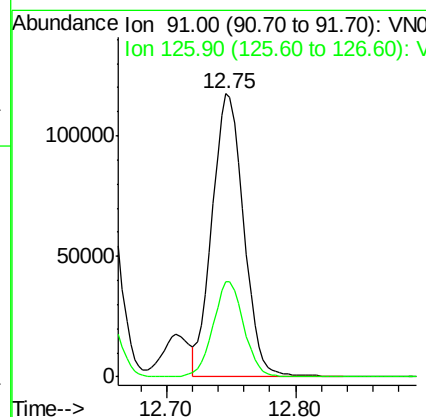
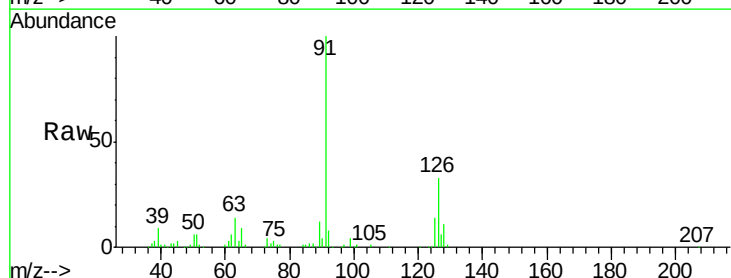
Manual Integrations
APPROVED

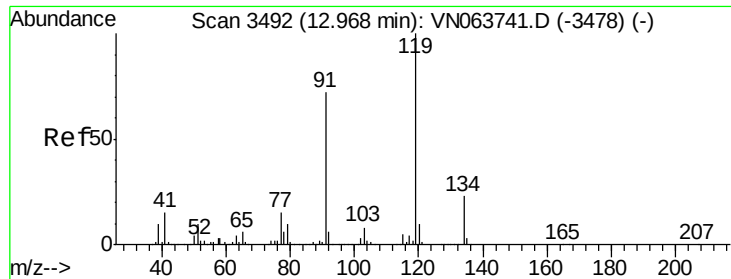
MMDadoda
10/9/2020 4:32:06 PM



#82
4-Chlorotoluene
Concen: 19.753 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	15.4	46.2





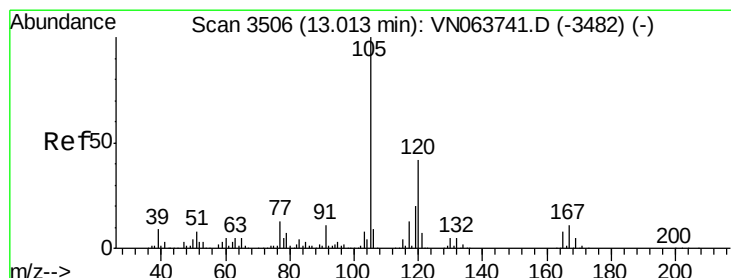
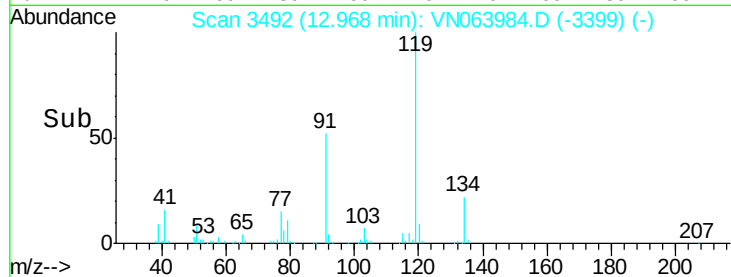
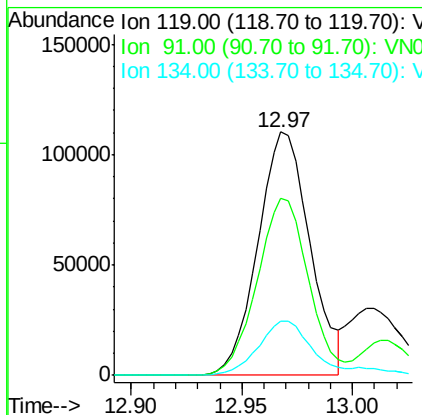
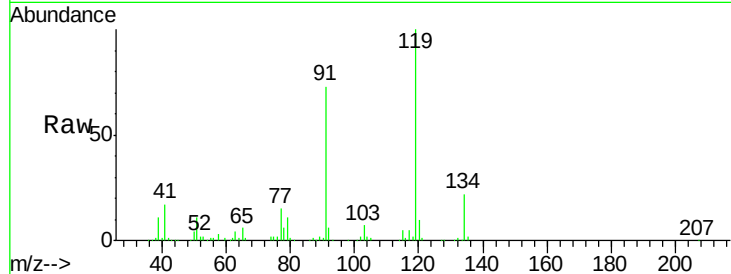
#83
 tert-Butylbenzene
 Concen: 19.389 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	24.8	11.7	35.1

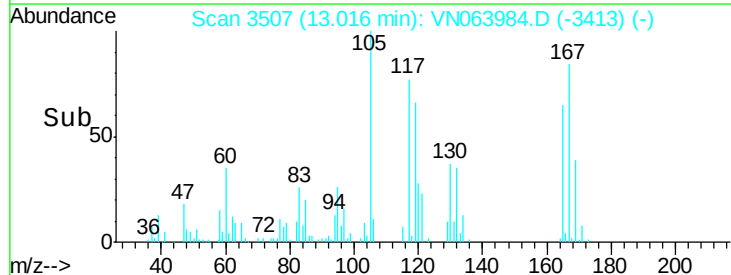
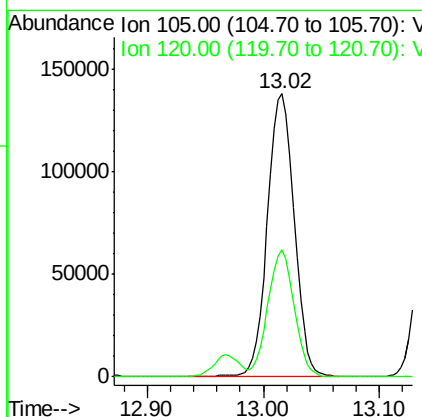
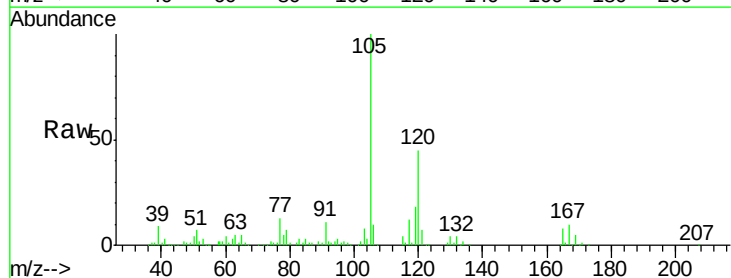
Manual Integrations
 APPROVED

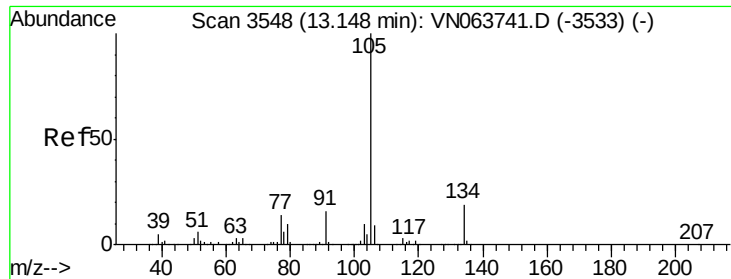
MMDadoda
 10/9/2020 4:32:06 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.570 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	20.9	62.7





#85

sec-Butylbenzene

Concen: 19.312 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion:105 Resp: 235573

Ion Ratio Lower Upper

105 100

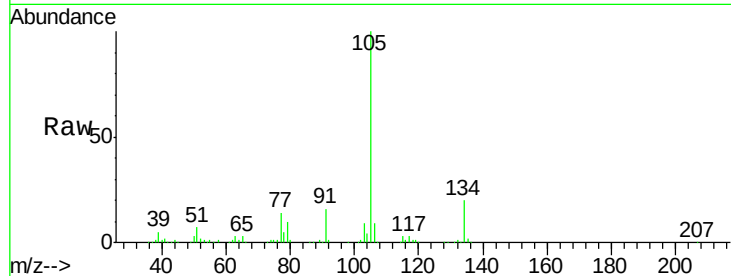
134 19.0 9.5 28.5

Manual Integrations

APPROVED

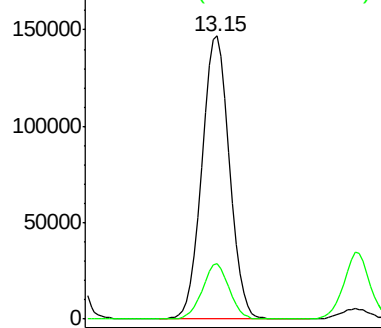
MMDadoda

10/9/2020 4:32:06 PM

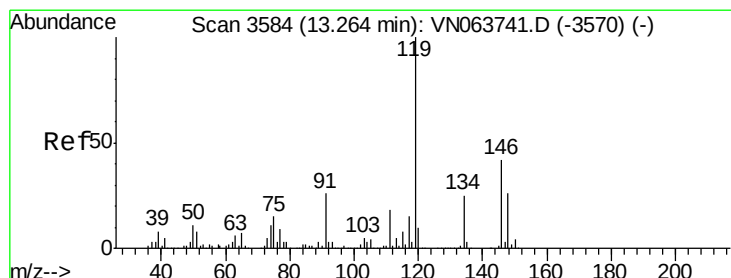
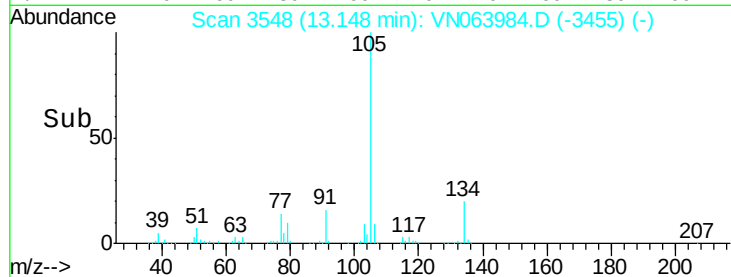


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.227 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

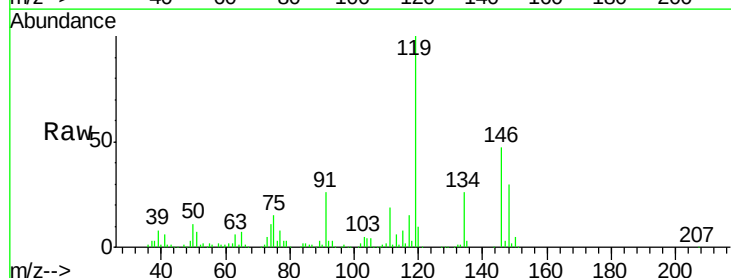
Tgt Ion:119 Resp: 207477

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

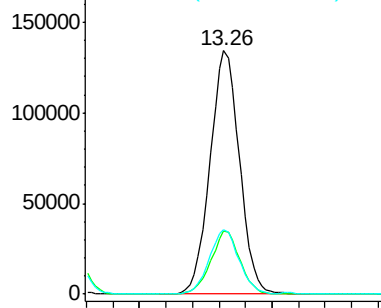
91 26.2 13.4 40.2



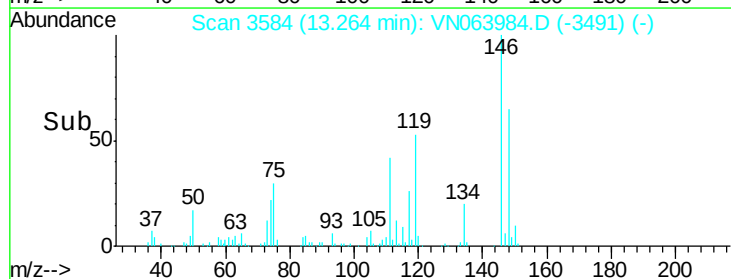
Abundance Ion 119.00 (118.70 to 119.70): V

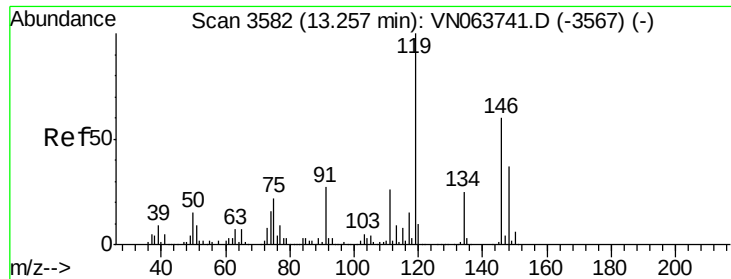
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





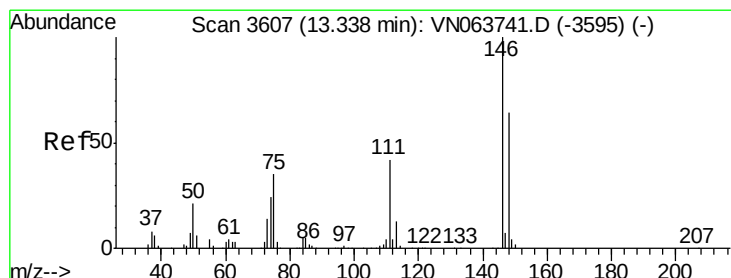
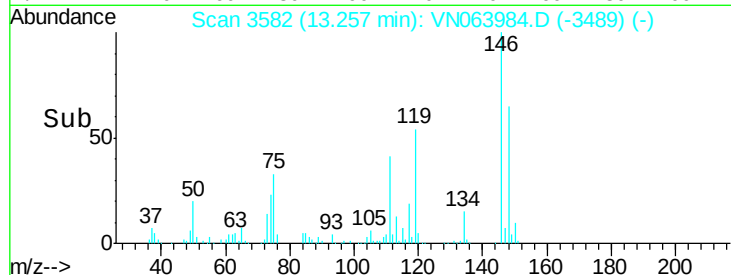
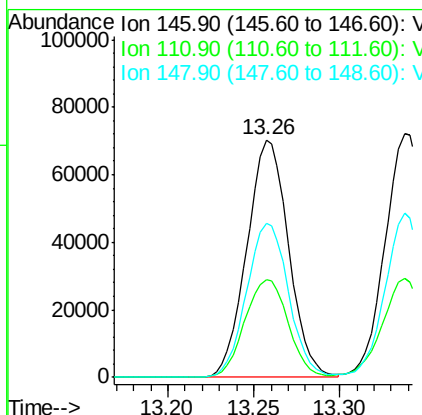
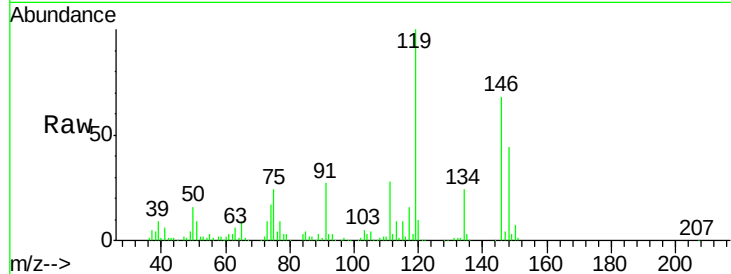
#87
 1,3-Dichlorobenzene
 Concen: 19.695 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118320		
111	42.9	21.5	64.5	
148	65.4	31.1	93.3	

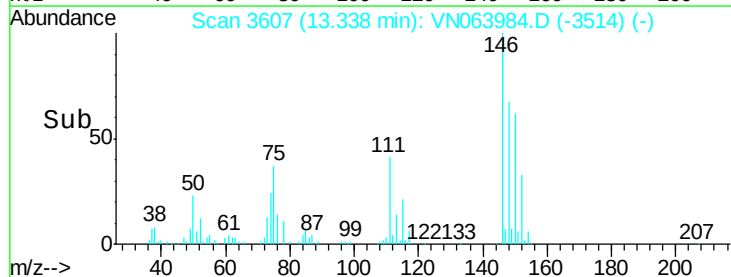
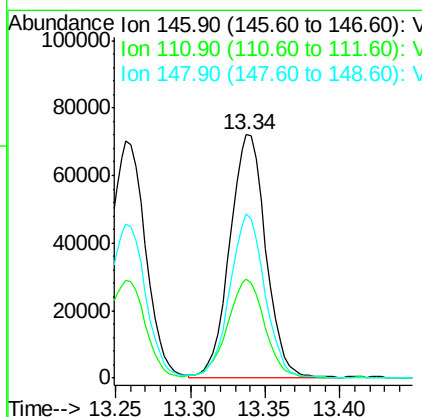
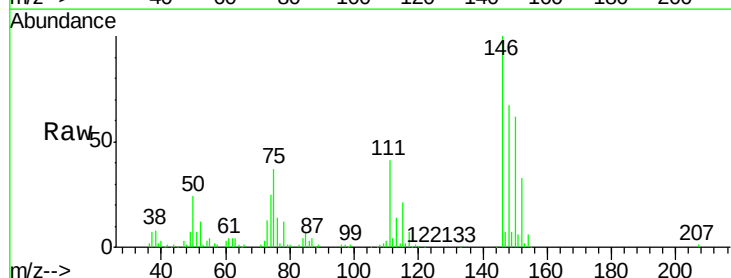
Manual Integrations
 APPROVED

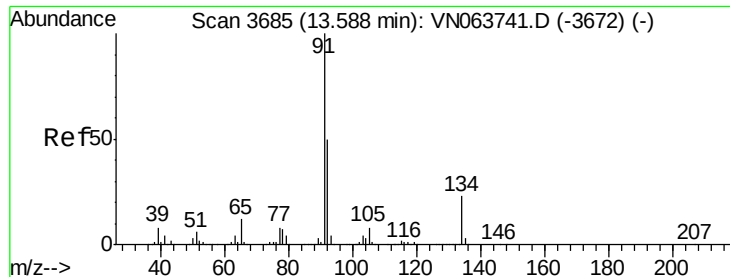
MMDadoda
 10/9/2020 4:32:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.211 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120168		
111	42.8	21.3	63.7	
148	66.3	32.0	96.0	





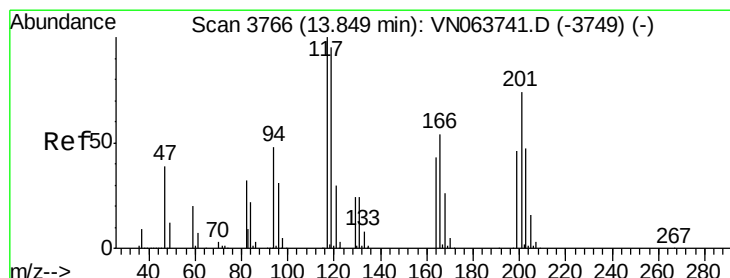
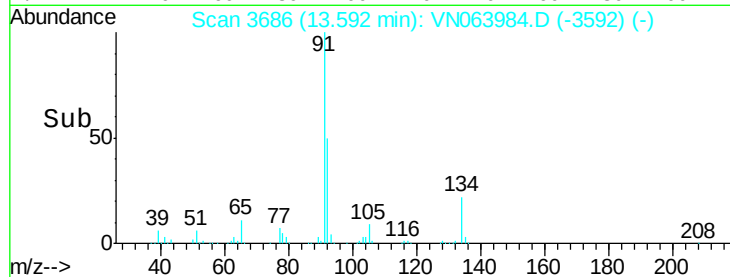
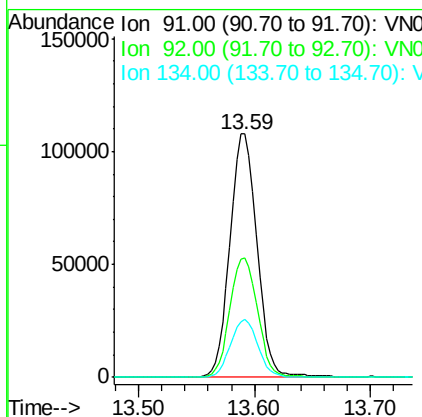
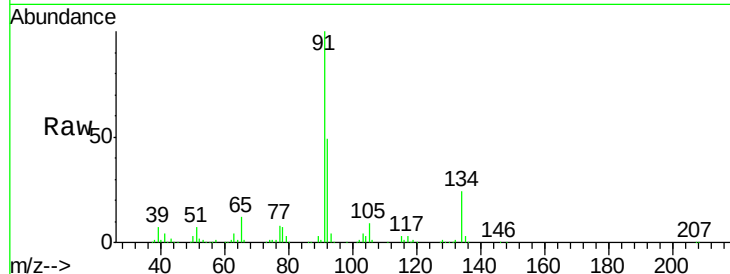
#89
n-Butylbenzene
Concen: 17.540 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.4	76.4
134	24.1	11.7	35.1

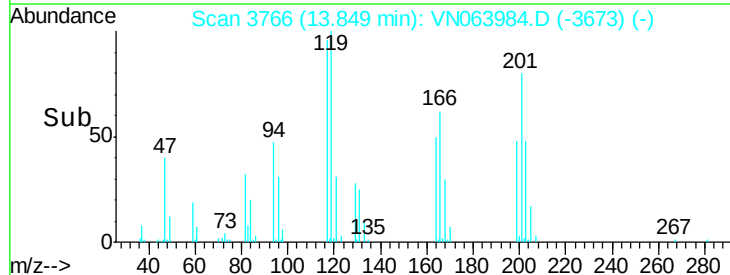
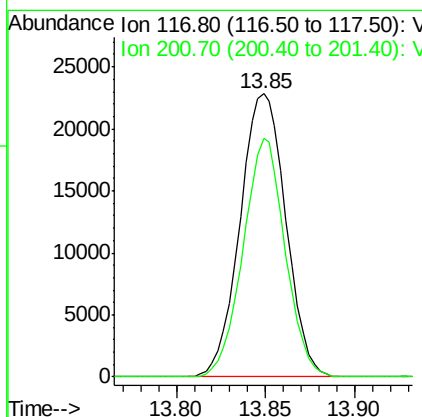
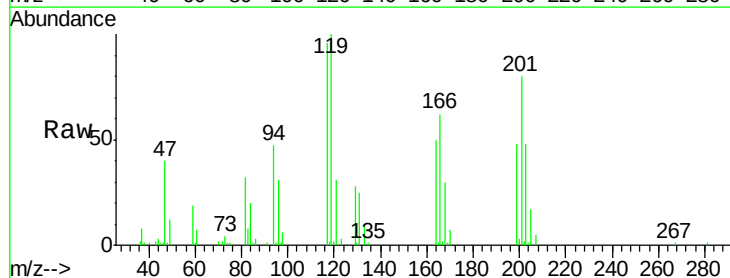
Manual Integrations
APPROVED

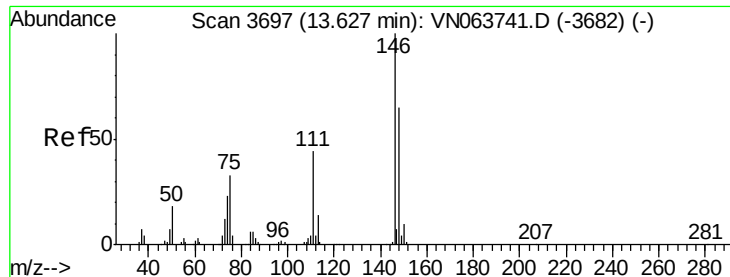
MMDadoda
10/9/2020 4:32:06 PM



#90
Hexachloroethane
Concen: 19.549 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	36.0	108.0





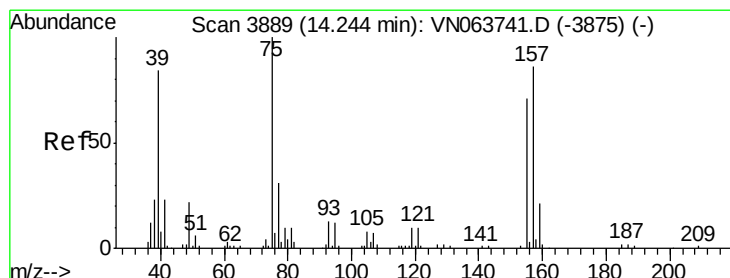
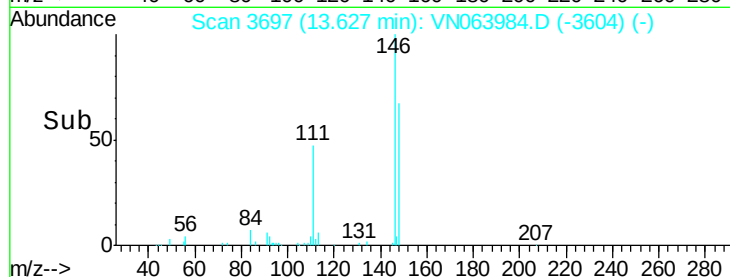
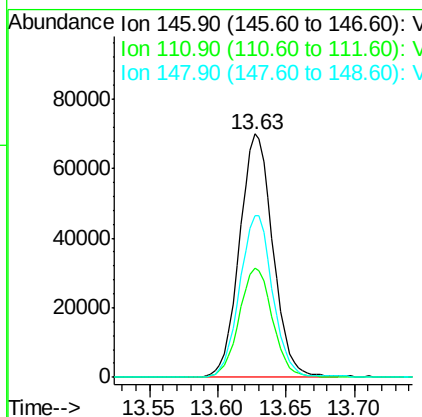
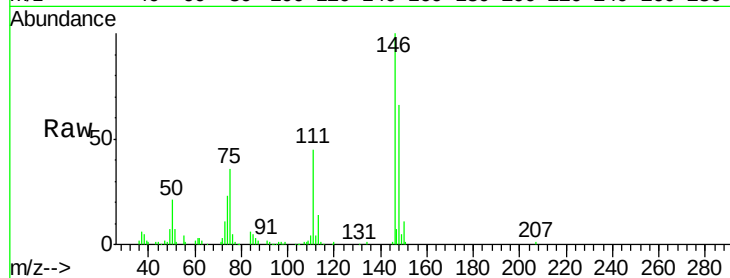
#91
 1,2-Dichlorobenzene
 Concen: 19.958 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	65.8	32.5	97.4

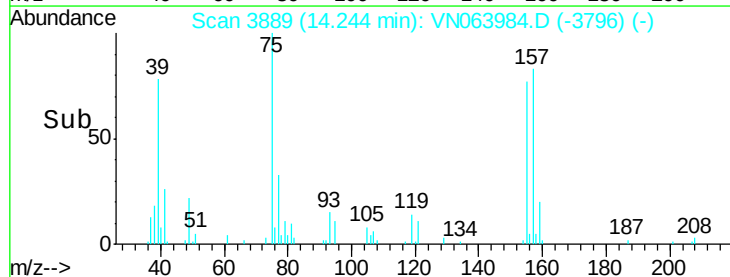
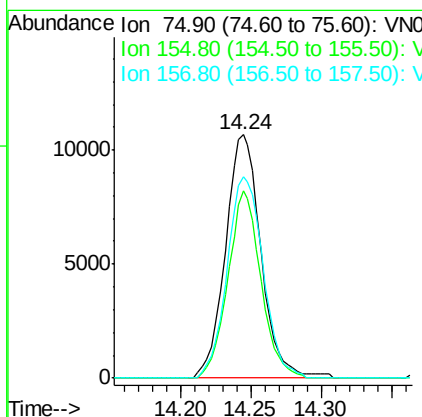
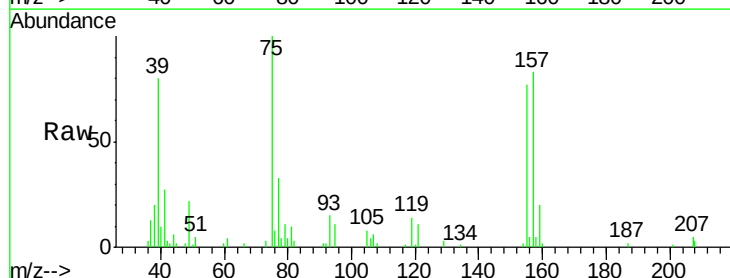
Manual Integrations
 APPROVED

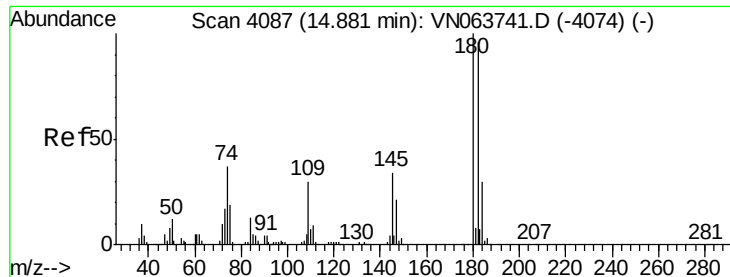
MMDadoda
 10/9/2020 4:32:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.318 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063984.D
 Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.4	34.8	104.5
157	84.0	43.7	131.1





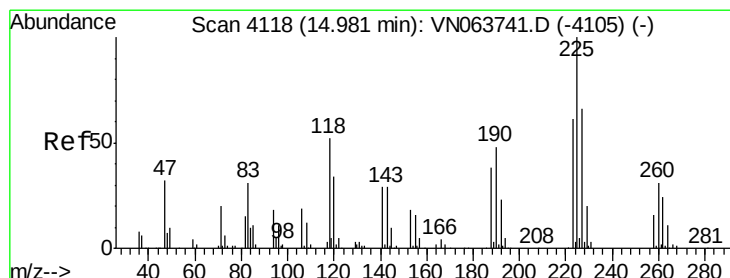
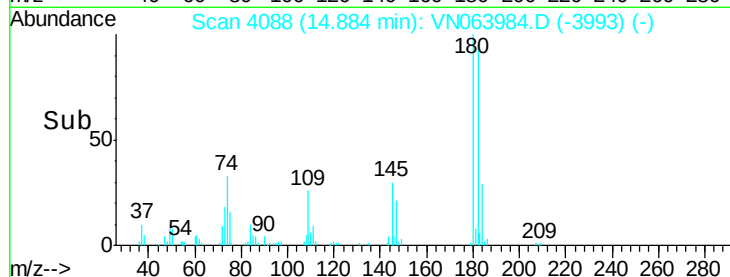
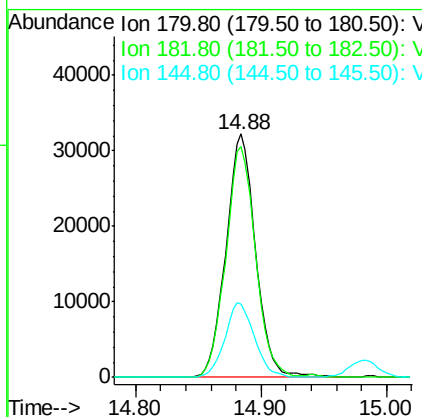
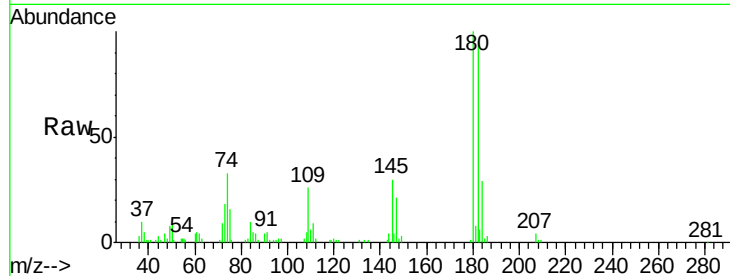
#93
1,2,4-Trichlorobenzene
Concen: 17.443 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.2	144.6
145	30.4	17.1	51.2

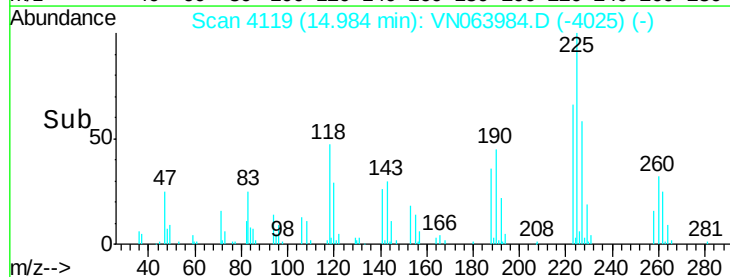
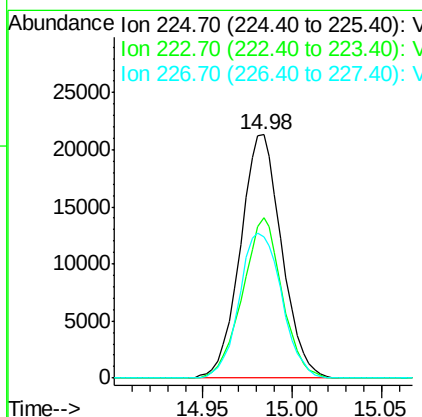
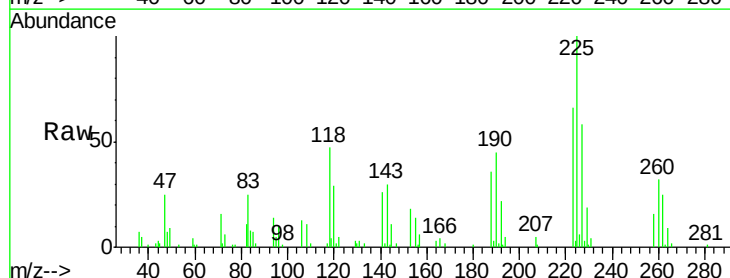
Manual Integrations
APPROVED

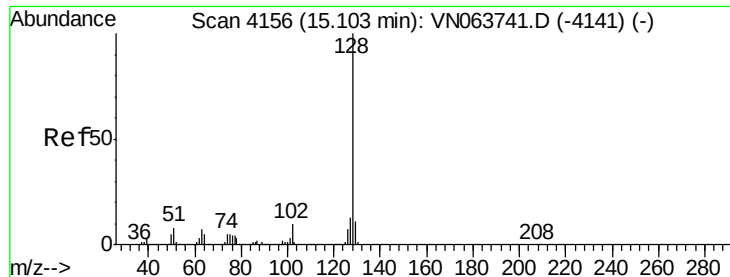
MMDadoda
10/9/2020 4:32:06 PM



#94
Hexachlorobutadiene
Concen: 21.439 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN063984.D
Acq: 8 Oct 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.3	91.0
227	61.1	31.9	95.5





#95

Naphthalene

Concen: 16.717 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Instrument :

MSVOA_N

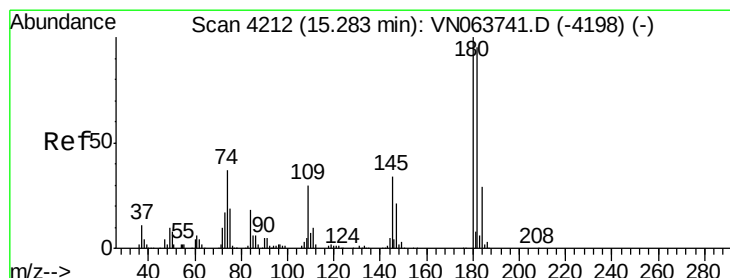
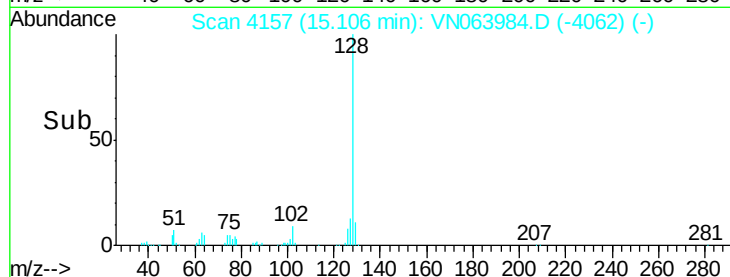
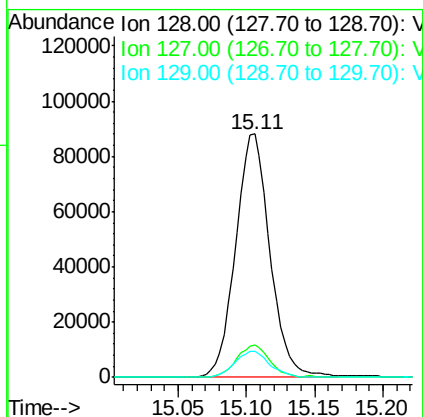
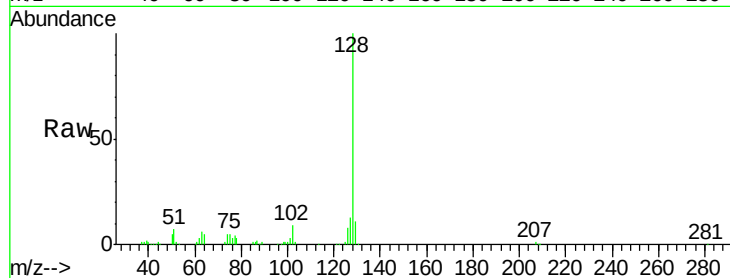
ClientSampleId :

VN1008WBSD01

Tot Ion:	128	Resp:	154025
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:32:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.904 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063984.D

Acq: 8 Oct 2020 12:31

Tgt Ion:	180	Resp:	52926
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.9	143.6
145	33.9	17.2	51.5

