

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063211.D
 Acq On : 3 Sep 2020 11:30
 Operator : JC/MD
 Sample : VN0903WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 11:14:24 AM

Quant Time: Sep 04 04:20:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	383353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	684454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	627105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	296485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	291263	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.55	113	214660	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.06	98	836755	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	286370	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64732	17.146	ug/l	97
3) Chloromethane	2.04	50	94614	17.210	ug/l	99
4) Vinyl Chloride	2.16	62	106644	17.561	ug/l	99
5) Bromomethane	2.54	94	100230	19.608	ug/l	98
6) Chloroethane	2.68	64	94106	19.490	ug/l	99
7) Trichlorofluoromethane	2.99	101	144324	14.484	ug/l	99
8) Diethyl Ether	3.38	74	49358	16.987	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77458	18.766	ug/l	99
10) Methyl Iodide	3.91	142	89327	15.867	ug/l	99
11) Tert butyl alcohol	4.72	59	69677	90.580	ug/l	99
12) 1,1-Dichloroethene	3.69	96	75403	17.928	ug/l	94
13) Acrolein	3.58	56	19878	79.363	ug/l	87
14) Allyl chloride	4.28	41	131291	17.576	ug/l	97
15) Acrylonitrile	4.93	53	189491	89.501	ug/l	98
16) Acetone	3.77	43	166369	93.390	ug/l	99
17) Carbon Disulfide	4.01	76	207636	16.586	ug/l	100
18) Methyl Acetate	4.28	43	90182	19.743	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	272806	17.484	ug/l	98
20) Methylene Chloride	4.51	84	93355	18.325	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	84884	18.267	ug/l	91
22) Diisopropyl ether	5.90	45	295742	17.667	ug/l	94
23) Vinyl Acetate	5.84	43	1191063	89.174	ug/l	100
24) 1,1-Dichloroethane	5.79	63	163237	17.689	ug/l	98
25) 2-Butanone	6.78	43	273087	99.002	ug/l	99
26) 2,2-Dichloropropane	6.78	77	144364	17.267	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	99188	17.561	ug/l	98
28) Bromochloromethane	7.15	49	87004	18.046	ug/l	98
29) Tetrahydrofuran	7.16	42	174077	91.269	ug/l	99
30) Chloroform	7.33	83	174615	18.086	ug/l	97
31) Cyclohexane	7.61	56	147966	17.040	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	154786	18.605	ug/l	99
36) 1,1-Dichloropropene	7.75	75	121747	18.503	ug/l	98
37) Ethyl Acetate	6.88	43	122467	19.941	ug/l #	95
38) Carbon Tetrachloride	7.73	117	126715	18.989	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	138214	18.698	ug/l	97
40) Benzene	8.00	78	369685	19.119	ug/l	99
41) Methacrylonitrile	7.13	41	45572m	16.440	ug/l	
42) 1,2-Dichloroethane	8.08	62	140264	19.419	ug/l	100
43) Isopropyl Acetate	8.12	43	206699	19.262	ug/l	99
44) Trichloroethene	8.80	130	99600	21.236	ug/l	99
45) 1,2-Dichloropropane	9.08	63	96844	18.916	ug/l	100
46) Dibromomethane	9.17	93	65175	19.210	ug/l	98
47) Bromodichloromethane	9.37	83	136590	18.783	ug/l	96
48) Methyl methacrylate	9.16	41	90974	18.806	ug/l	94
49) 1,4-Dioxane	9.17	88	31226	417.333	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	597319	102.433	ug/l	99
52) Toluene	10.12	92	234038	19.430	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	144587	18.176	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	155130	18.579	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	93501	20.269	ug/l	95
56) Ethyl methacrylate	10.40	69	126647	18.040	ug/l	96
57) 1,3-Dichloropropane	10.68	76	157463	19.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	322079	88.597	ug/l	100
59) 2-Hexanone	10.72	43	431803	105.365	ug/l	98
60) Dibromochloromethane	10.87	129	96851	18.991	ug/l	99
61) 1,2-Dibromoethane	10.98	107	92482	19.286	ug/l	96
64) Tetrachloroethene	10.60	164	95657	21.242	ug/l	97
65) Chlorobenzene	11.41	112	244571	19.363	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	89928	19.177	ug/l	98
67) Ethyl Benzene	11.49	91	458387	19.894	ug/l	96
68) m/p-Xylenes	11.59	106	334869	39.239	ug/l	99
69) o-Xylene	11.92	106	160672	19.489	ug/l	98
70) Styrene	11.94	104	270255	19.074	ug/l	100
71) Bromoform	12.10	173	57491	18.065	ug/l #	99
73) Isopropylbenzene	12.23	105	438687	19.291	ug/l	99
74) N-amyl acetate	12.05	43	168873	17.928	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	120681	18.408	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	114397m	19.638	ug/l	
77) Bromobenzene	12.50	156	96353	18.735	ug/l	97
78) n-propylbenzene	12.57	91	517935	19.683	ug/l	100
79) 2-Chlorotoluene	12.65	91	292276	18.545	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	369592	19.526	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	38829	16.111	ug/l	93
82) 4-Chlorotoluene	12.75	91	307013	18.782	ug/l	100
83) tert-Butylbenzene	12.97	119	298960	18.417	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	364893	19.126	ug/l	100
85) sec-Butylbenzene	13.15	105	417336	19.726	ug/l	98
86) p-Isopropyltoluene	13.26	119	362060	19.276	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	177713	18.810	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	179924	18.392	ug/l	99
89) n-Butylbenzene	13.59	91	335266	19.321	ug/l	100
90) Hexachloroethane	13.85	117	56085	16.130	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	180458	19.683	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25468	17.669	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	96413	18.823	ug/l	97
94) Hexachlorobutadiene	14.98	225	36094	18.863	ug/l	98
95) Naphthalene	15.11	128	290198	16.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	93077	18.651	ug/l	96

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

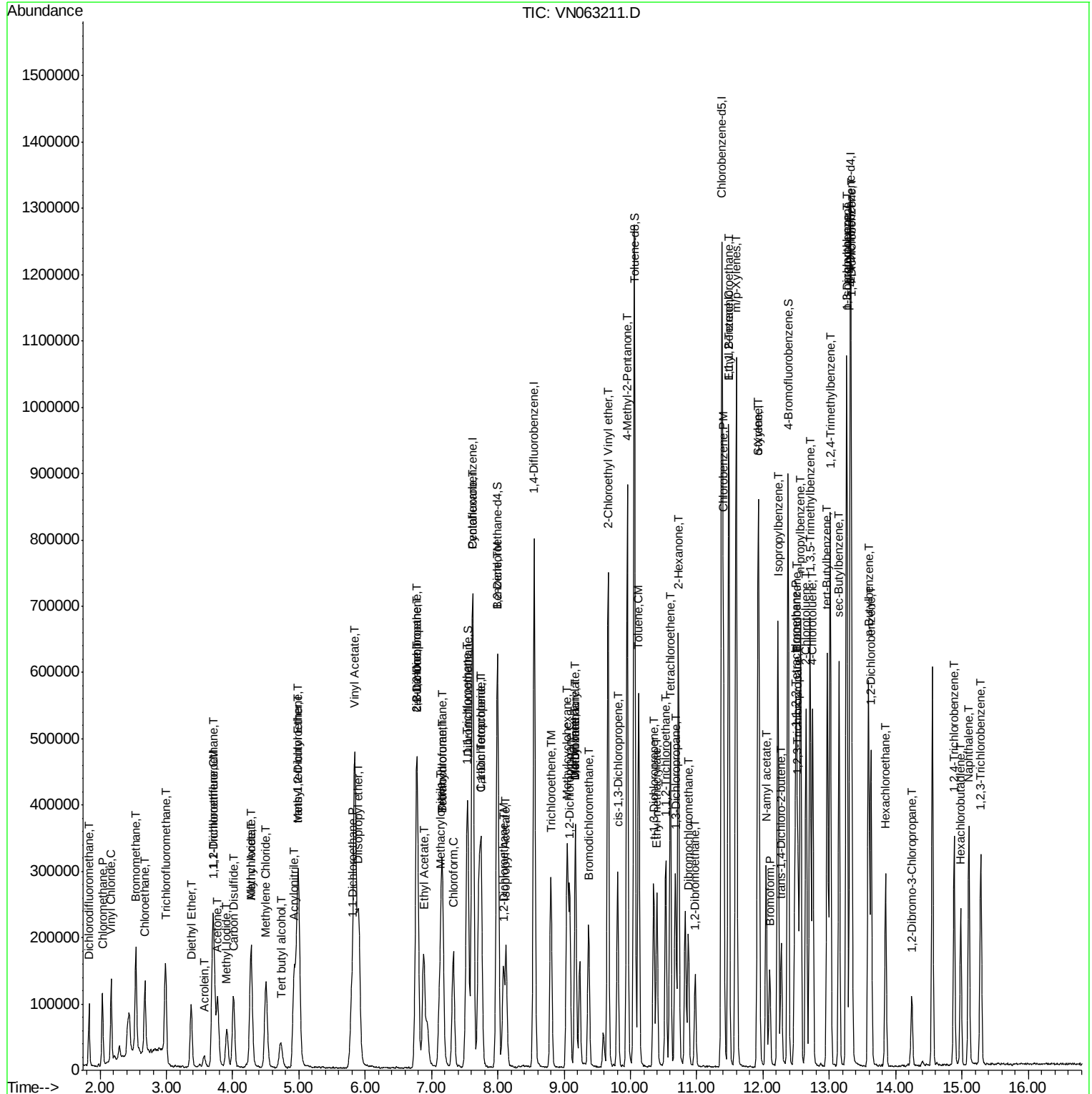
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090320\
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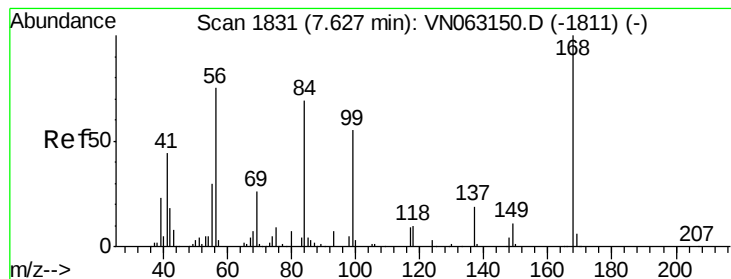
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion:168 Resp: 383353

Ion Ratio Lower Upper

168 100

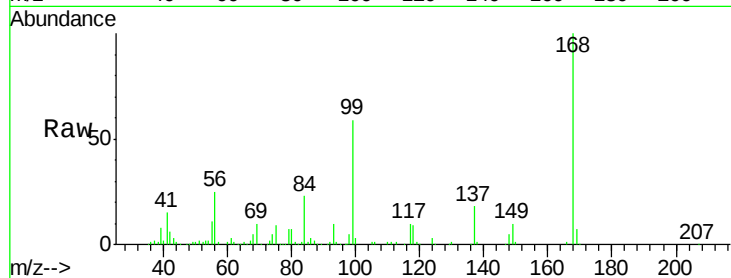
99 58.8 54.2 81.2

Manual Integrations

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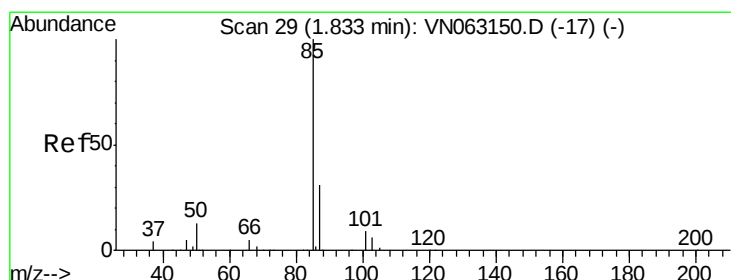
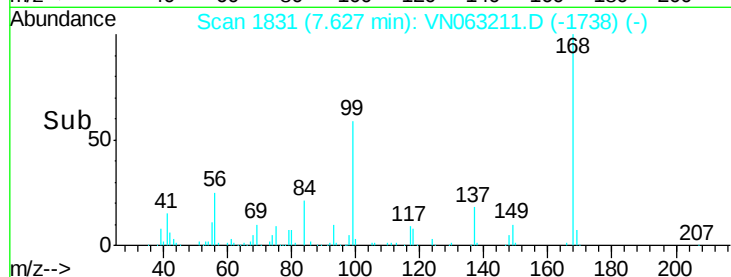
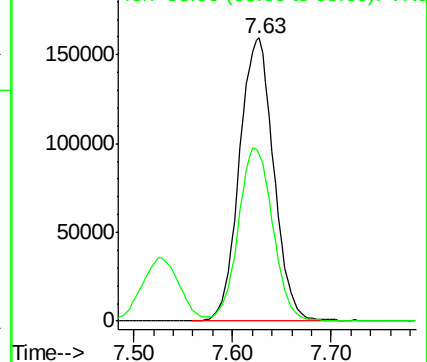
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.146 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063211.D

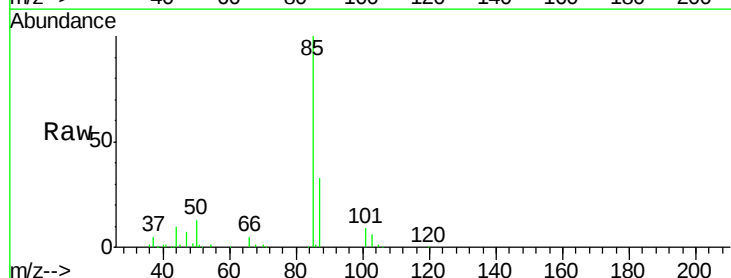
Acq: 3 Sep 2020 11:30

Tgt Ion: 85 Resp: 64732

Ion Ratio Lower Upper

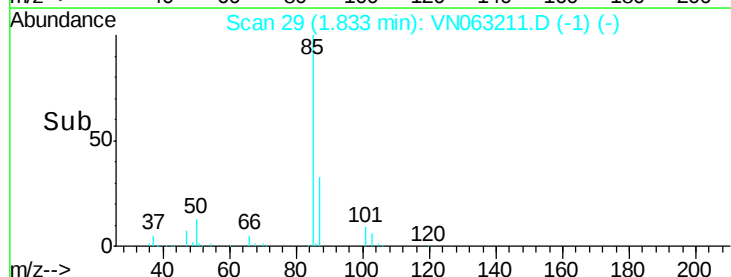
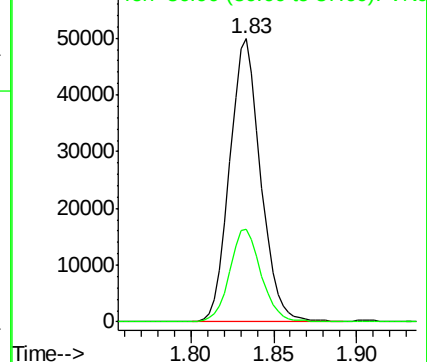
85 100

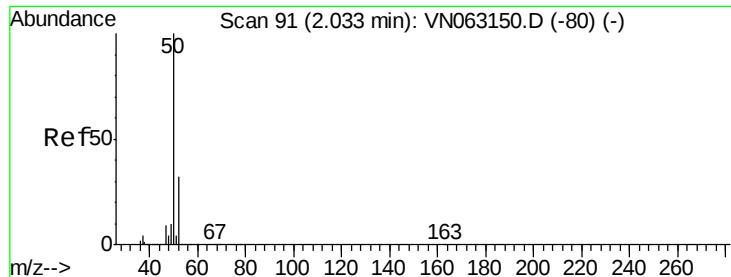
87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.210 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion: 50 Resp: 94614

Ion Ratio Lower Upper

50 100

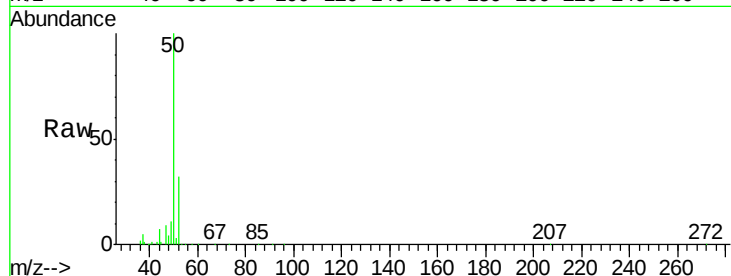
52 31.5 25.8 38.6

Manual Integrations

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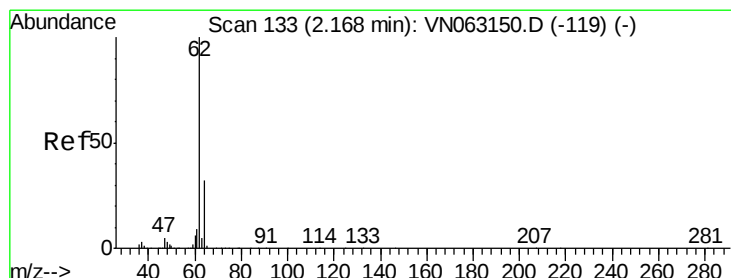
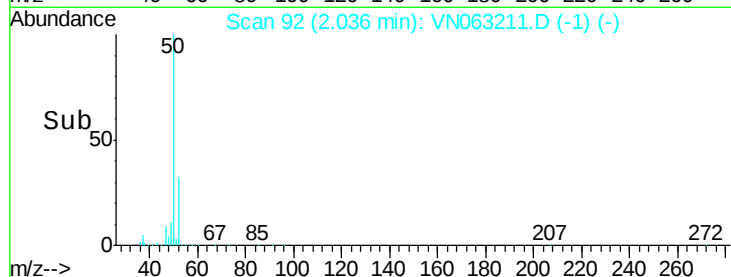
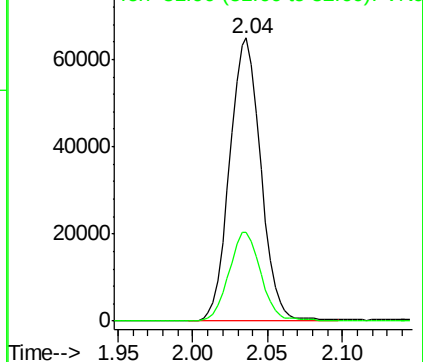
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.561 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063211.D

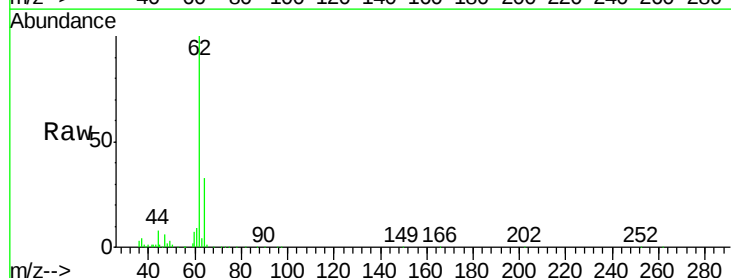
Acq: 3 Sep 2020 11:30

Tgt Ion: 62 Resp: 106644

Ion Ratio Lower Upper

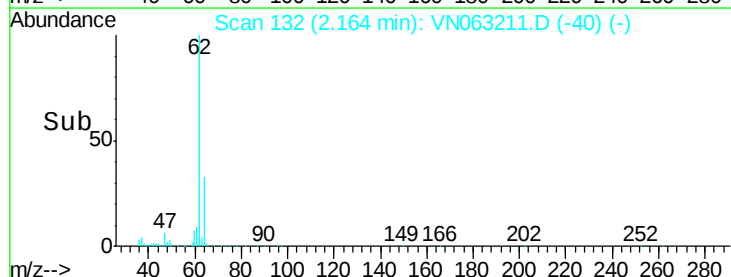
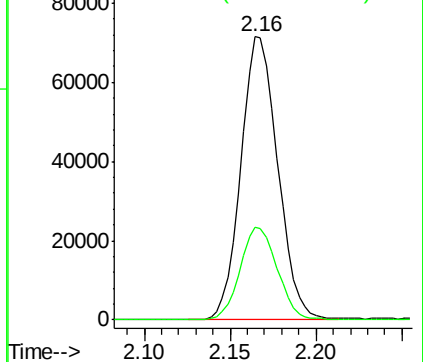
62 100

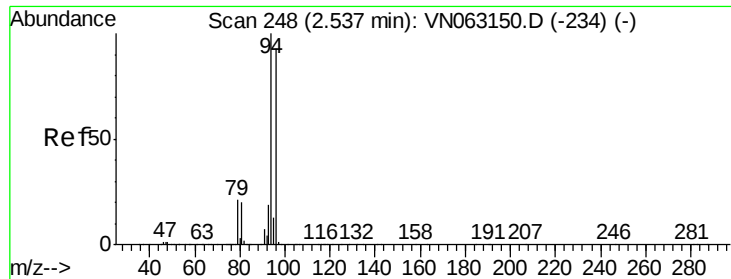
64 32.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.608 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 100230

Ion Ratio Lower Upper

94 100

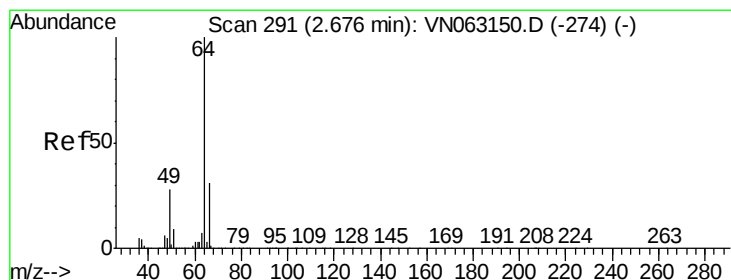
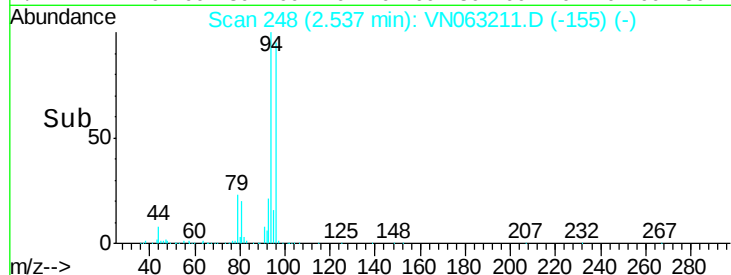
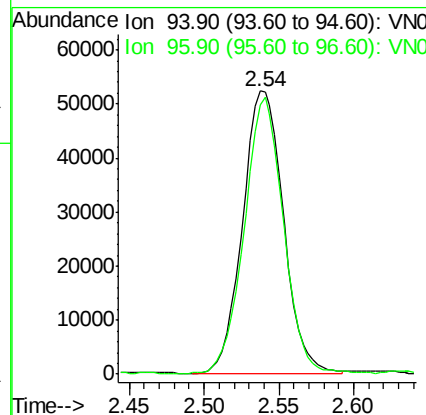
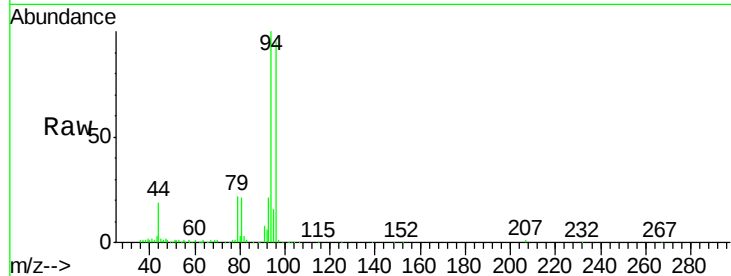
96 94.9 74.4 111.6

Manual Integrations

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9/4/2020 11:14:24 AM



#6

Chloroethane

Concen: 19.490 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063211.D

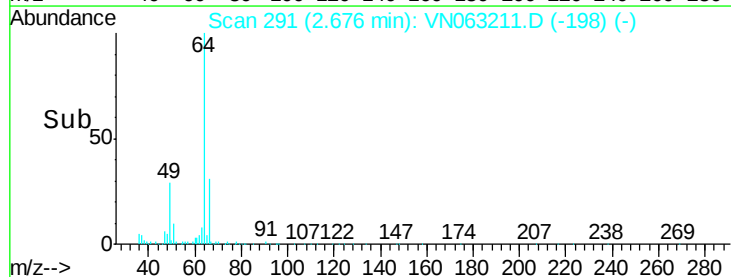
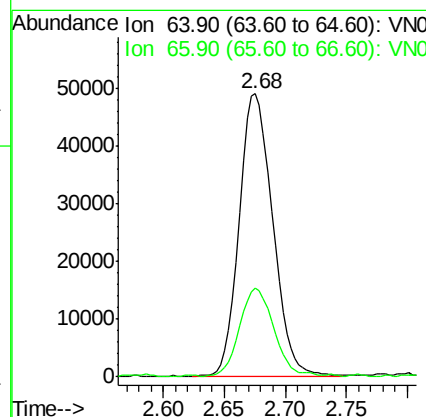
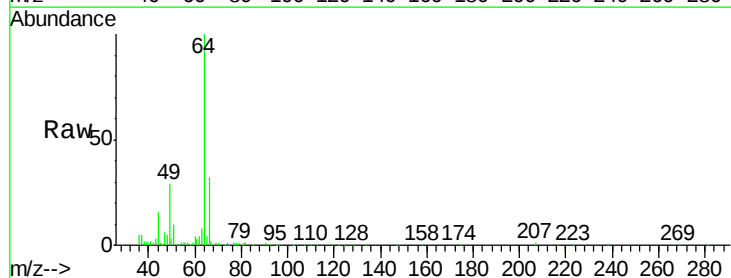
Acq: 3 Sep 2020 11:30

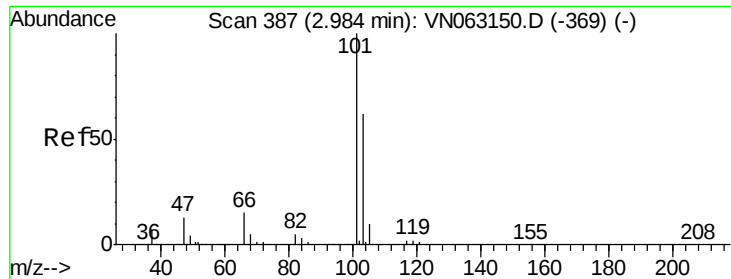
Tgt Ion: 64 Resp: 94106

Ion Ratio Lower Upper

64 100

66 31.6 24.7 37.1





#7

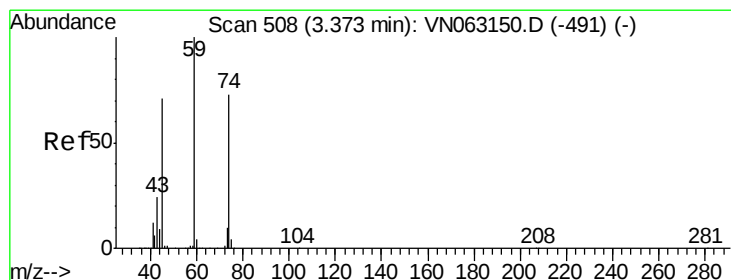
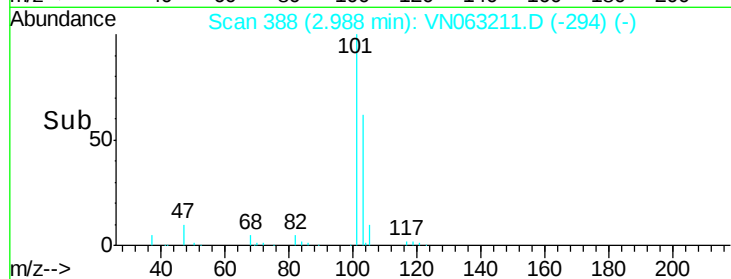
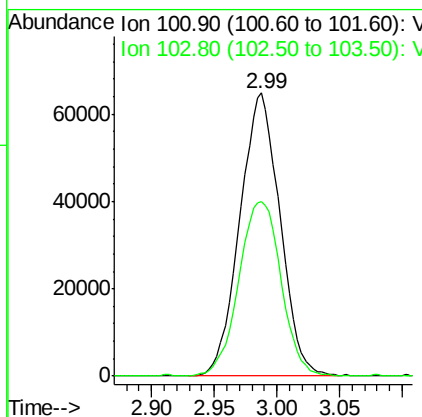
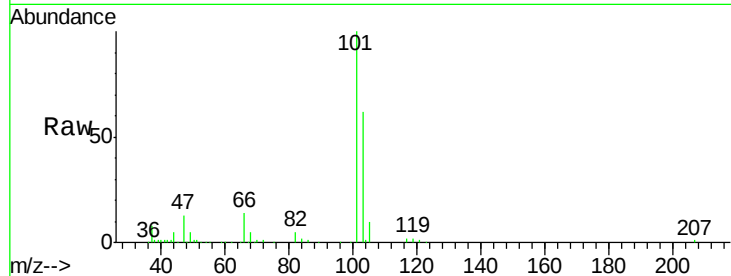
Trichlorofluoromethane
Concen: 14.484 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	49.7	74.5

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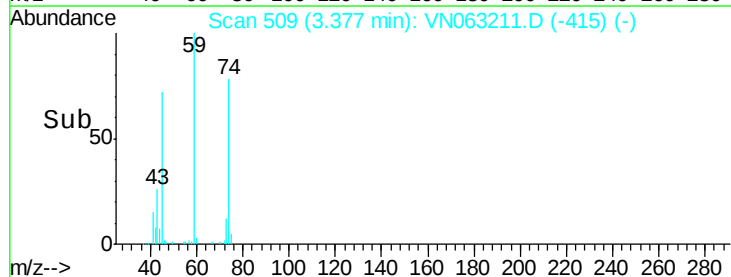
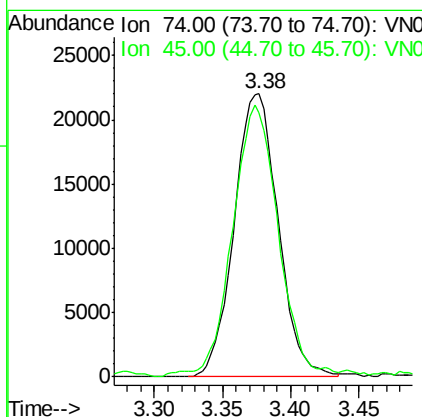
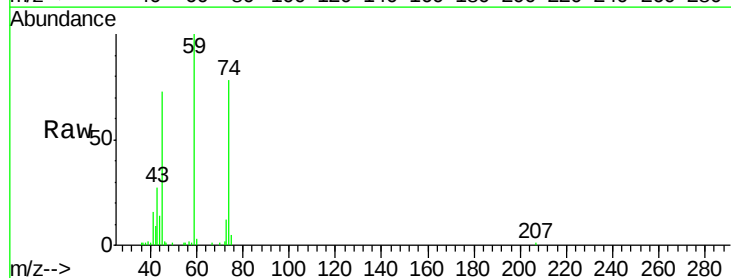
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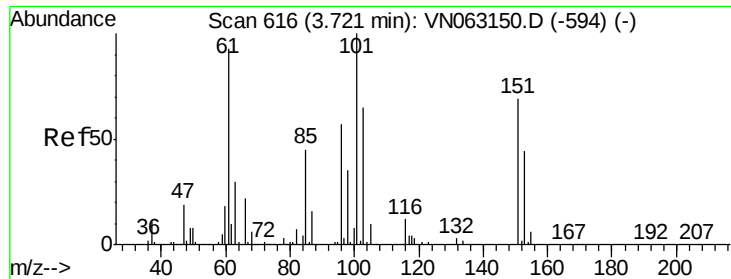


#8

Diethyl Ether
Concen: 16.987 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.766 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

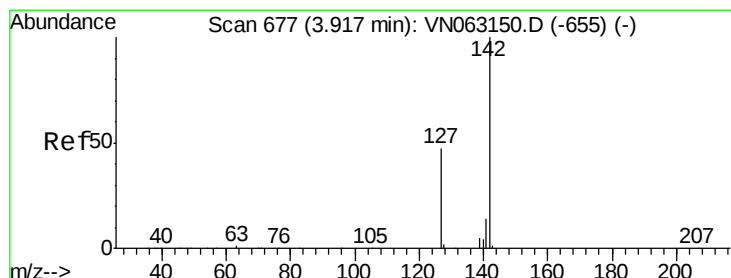
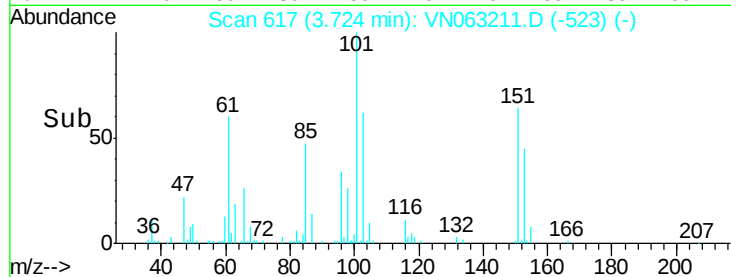
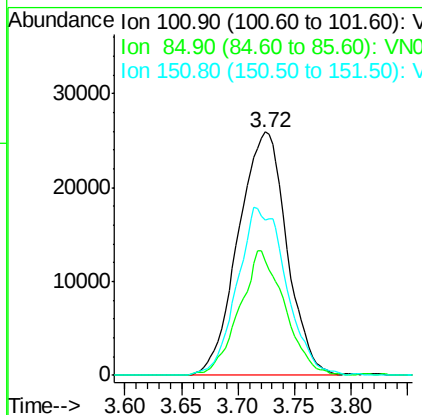
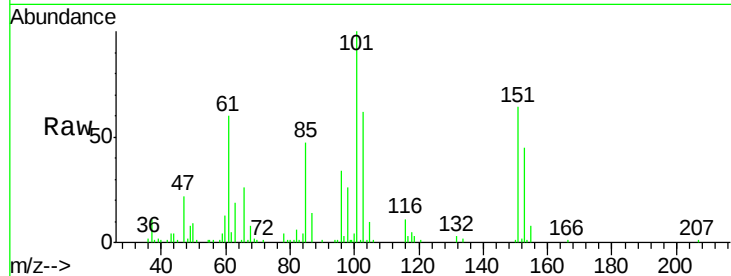
ClientSampleId :

VN0903WBS01

Tot Ion:	101	Resp:	77458
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.8	56.8
151	69.7	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 15.867 ug/l

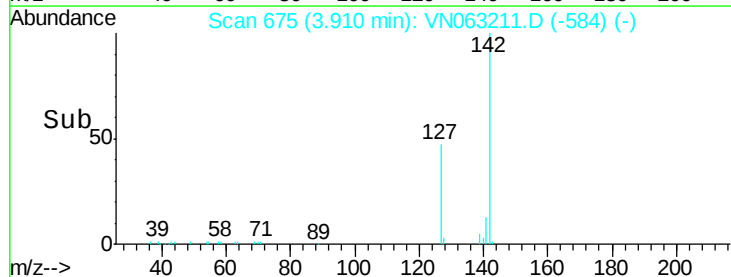
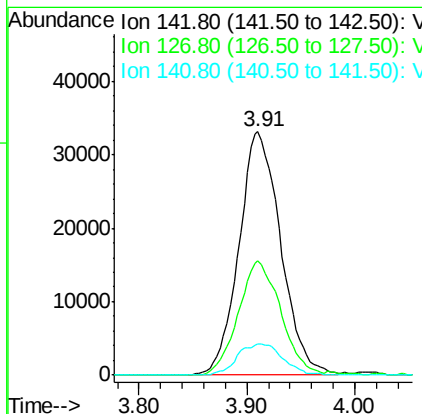
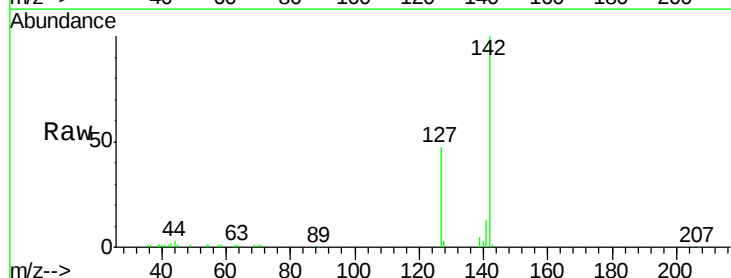
RT: 3.91 min Scan# 675

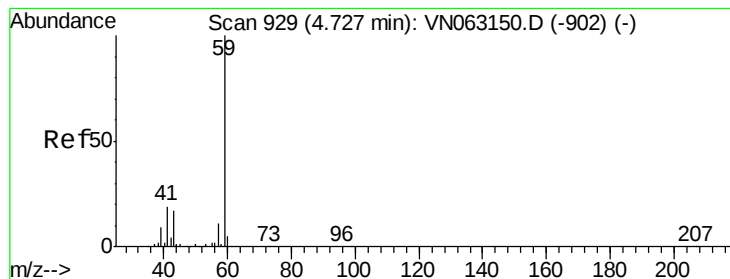
Delta R.T. -0.01 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	142	Resp:	89327
Ion Ratio	Lower	Upper	
142	100		
127	47.5	37.6	56.4
141	13.8	11.3	16.9





#11

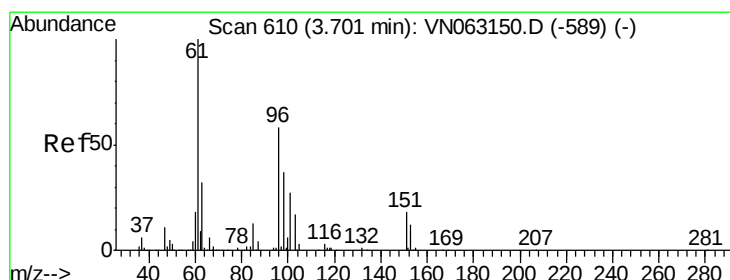
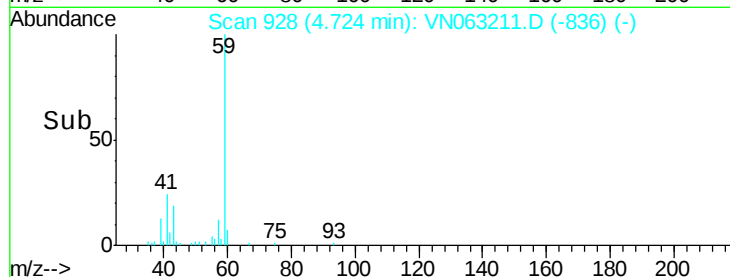
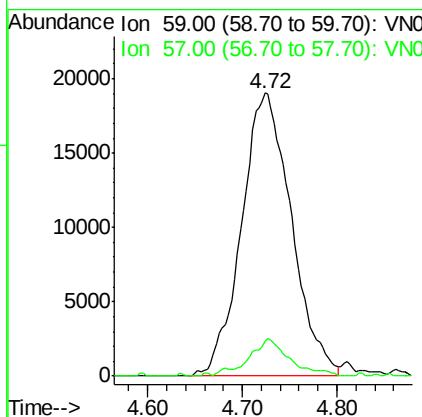
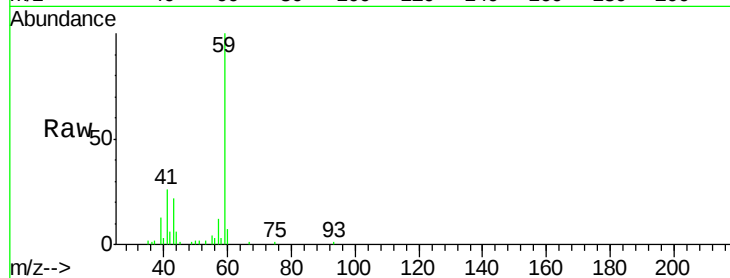
Tert butyl alcohol
 Concen: 90.580 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
 APPROVED

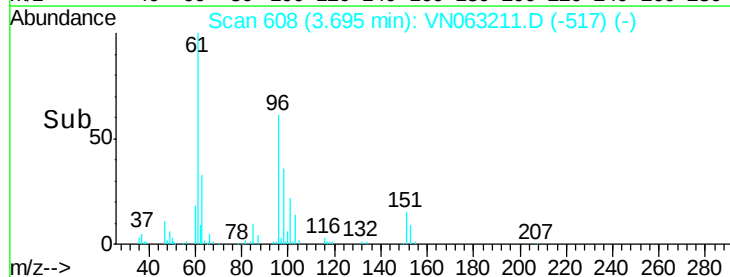
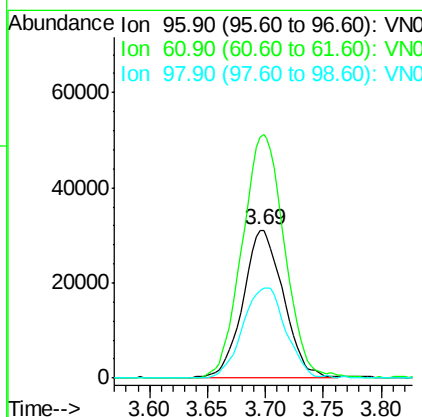
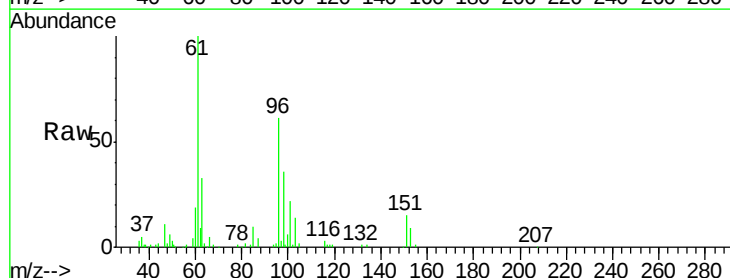
MMDadoda
 9/4/2020 11:14:24 AM

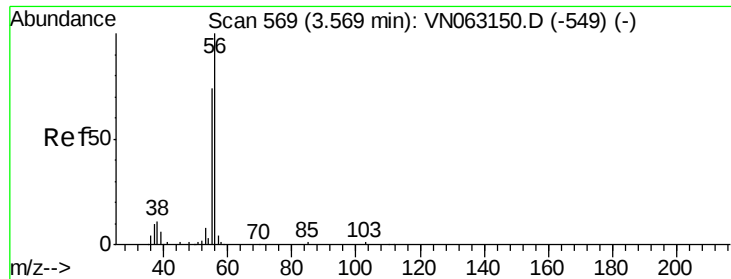


#12

1,1-Dichloroethene
 Concen: 17.928 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	137.4	206.2
98	58.8	50.5	75.7





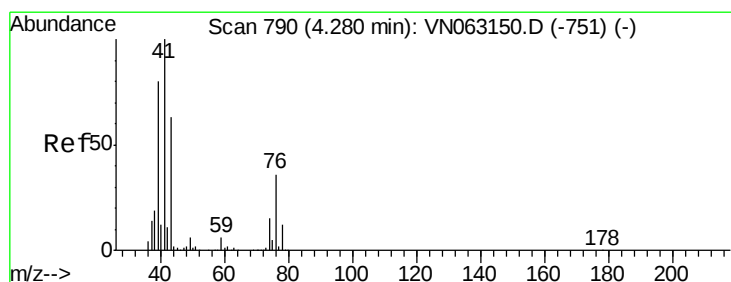
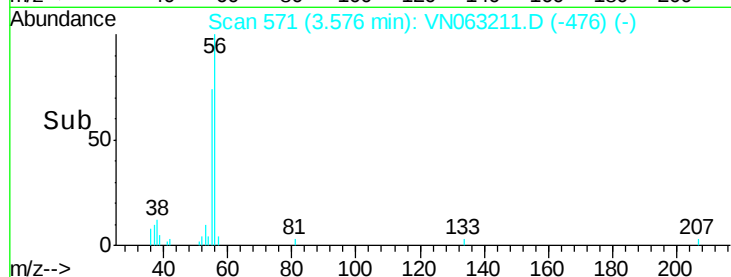
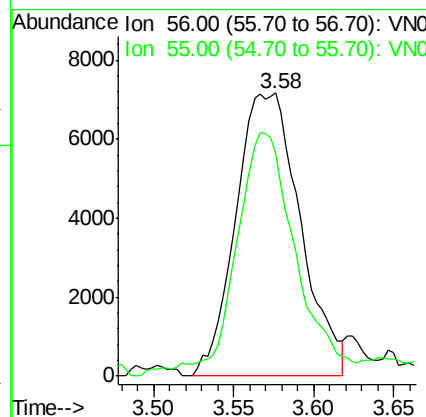
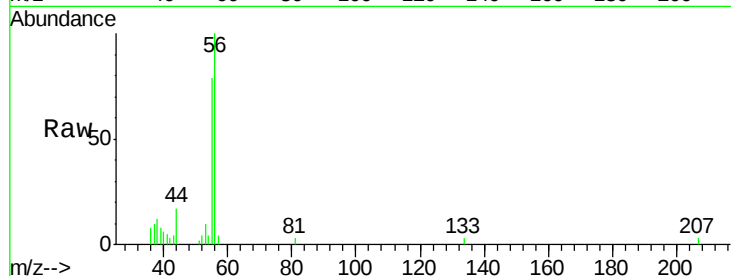
#13
Acrolein
Concen: 79.363 ug/l
RT: 3.58 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	56	Resp	19878
Ion Ratio	100	Lower	Upper
55	80.0	55.4	83.0

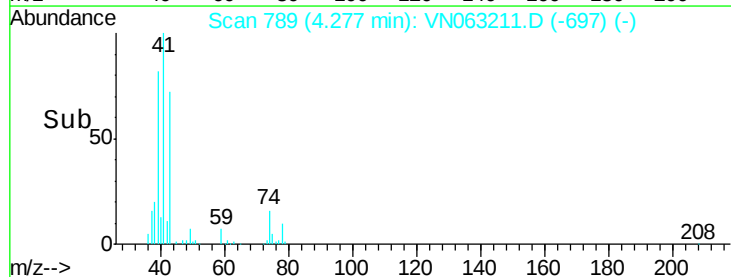
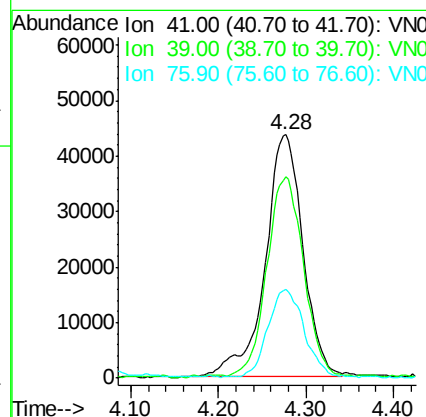
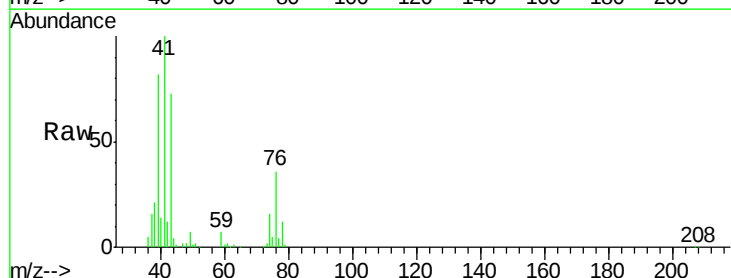
Manual Integrations
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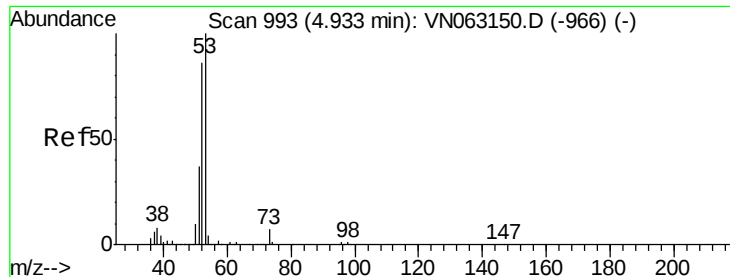
MMDadoda
9/4/2020 11:14:24 AM



#14
Allyl chloride
Concen: 17.576 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	41	Resp	131291
Ion Ratio	100	Lower	Upper
39	78.8	60.2	90.2
76	34.4	27.7	41.5





#15

Acrylonitrile

Concen: 89.501 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

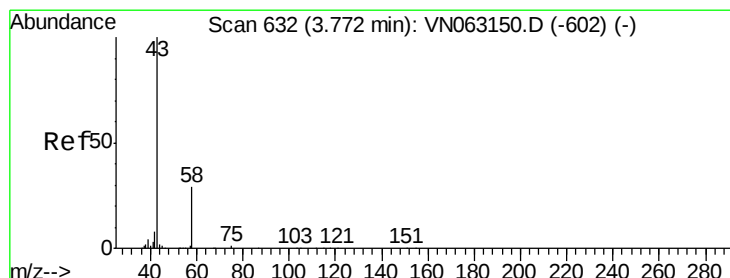
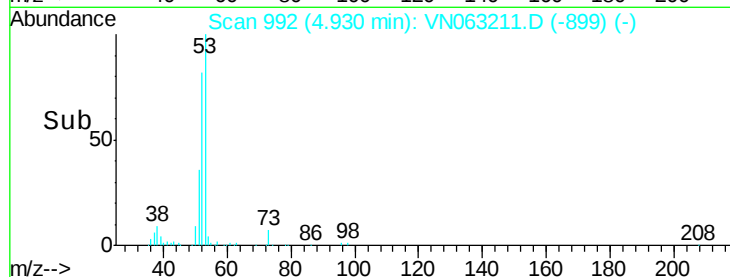
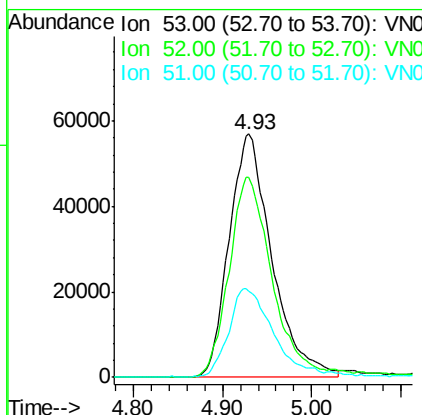
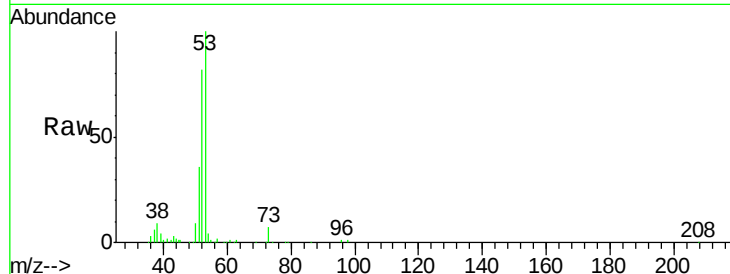
ClientSampleId :

VN0903WBS01

Tot Ion:	53	Resp:	189491
Ion Ratio	Lower	Upper	
53	100		
52	81.7	67.2	100.8
51	36.9	30.2	45.4

Manual Integrations
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9/4/2020 11:14:24 AM



#16

Acetone

Concen: 93.390 ug/l

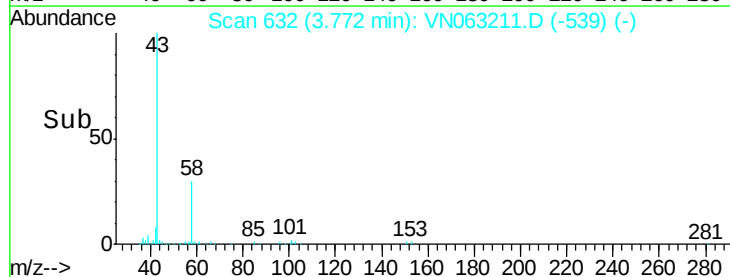
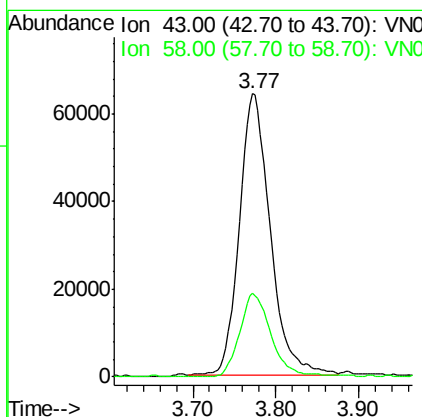
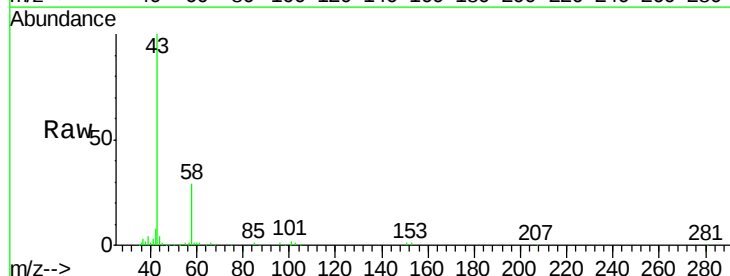
RT: 3.77 min Scan# 632

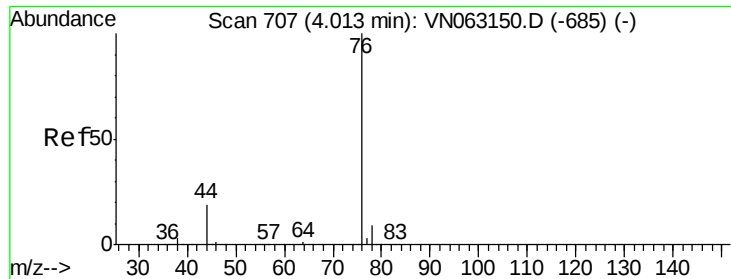
Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	43	Resp:	166369
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.1	34.7





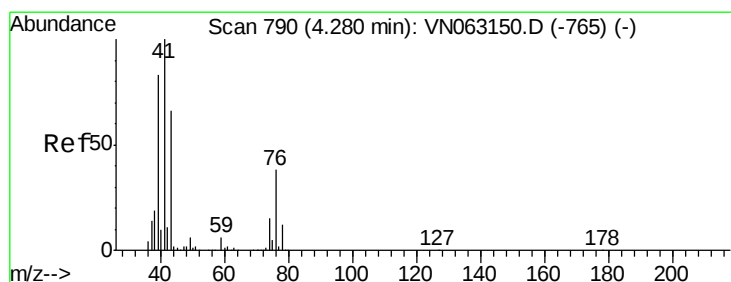
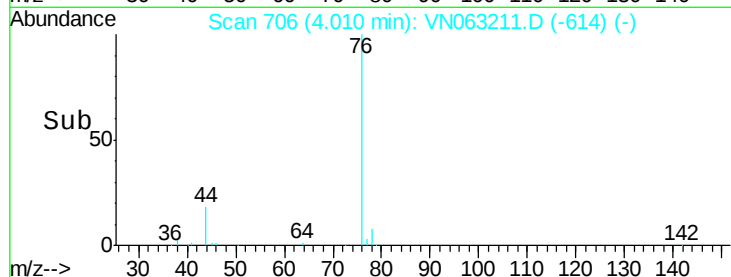
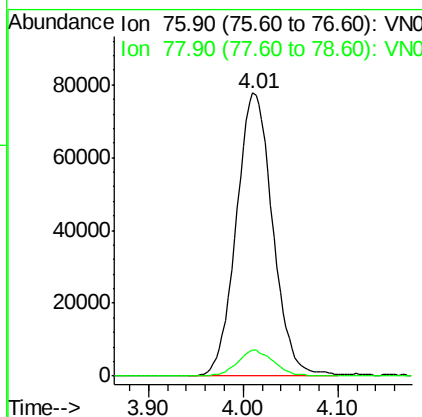
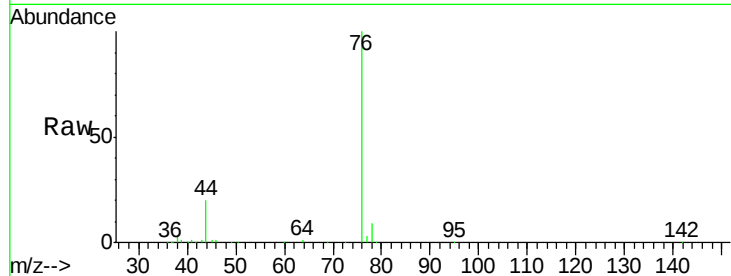
#17
Carbon Disulfide
Concen: 16.586 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

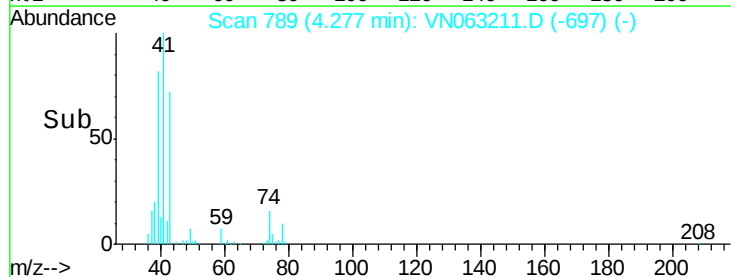
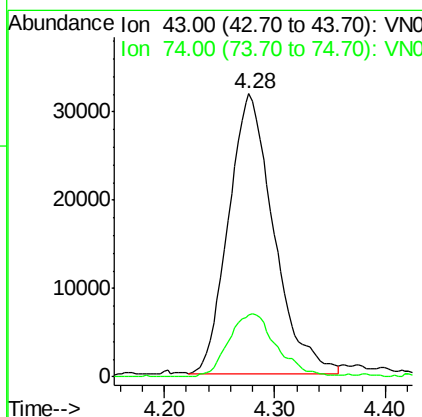
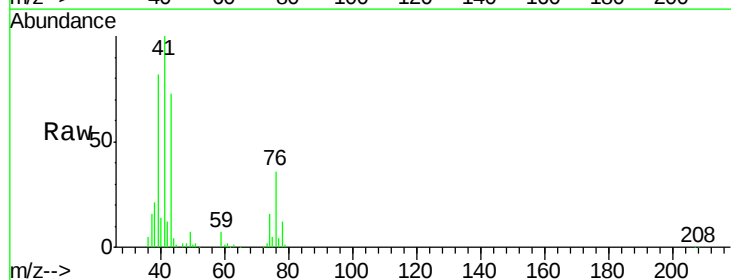
Manual Integrations
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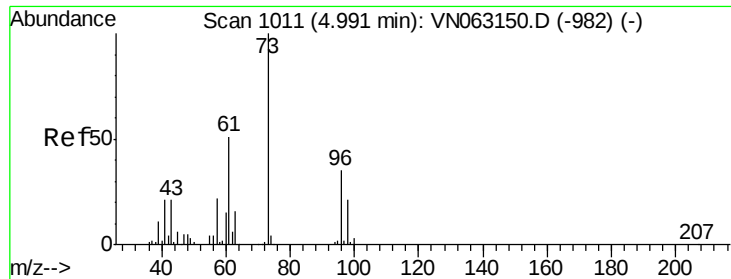
MMDadoda
9/4/2020 11:14:24 AM



#18
Methyl Acetate
Concen: 19.743 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





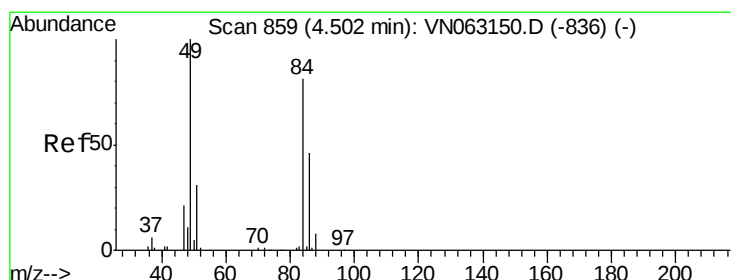
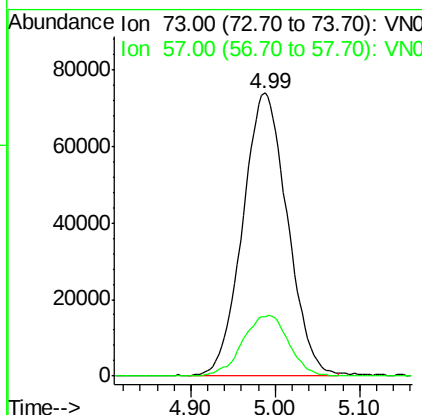
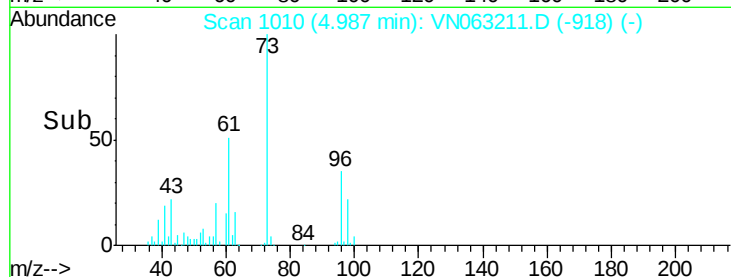
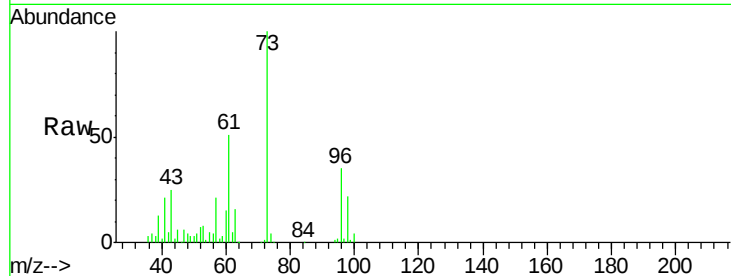
#19
Methvl tert-butvl Ether
Concen: 17.484 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion: 73 Resp: 272806
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

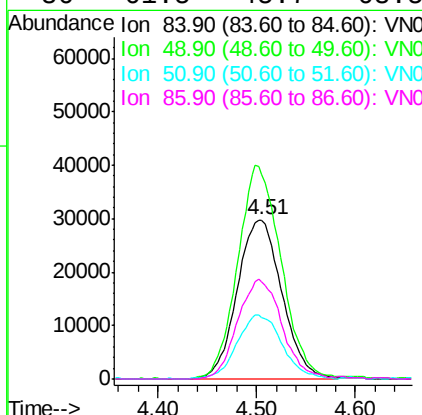
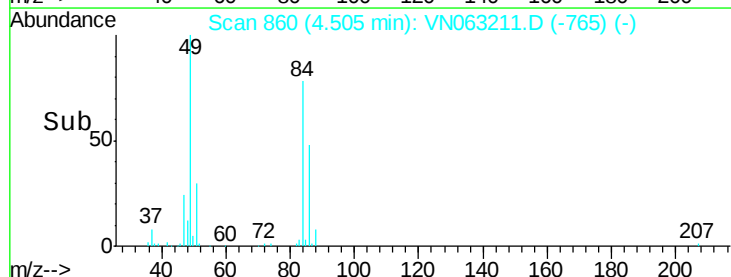
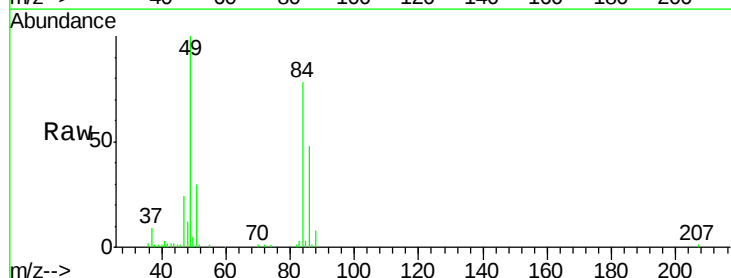
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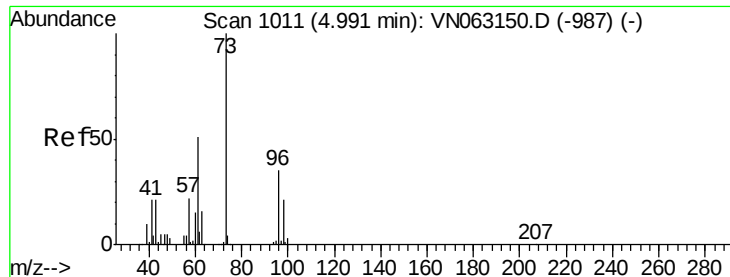
MMDadoda
9/4/2020 11:14:24 AM



#20
Methylene Chloride
Concen: 18.325 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion: 84 Resp: 93355
Ion Ratio Lower Upper
84 100
49 128.8 98.4 147.6
51 38.3 30.4 45.6
86 61.5 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 18.267 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

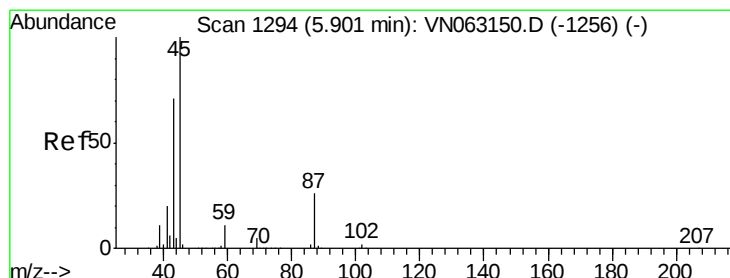
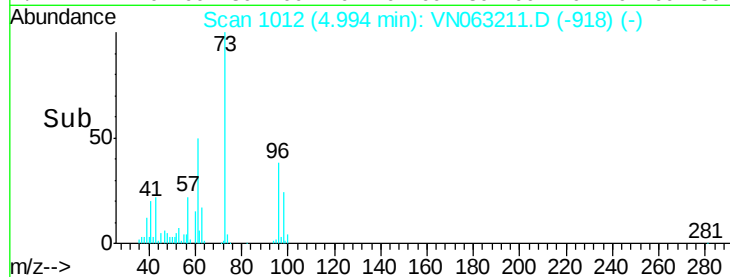
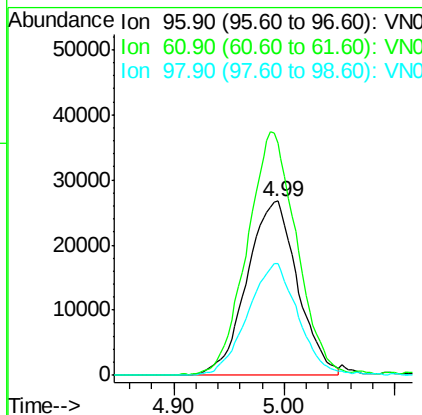
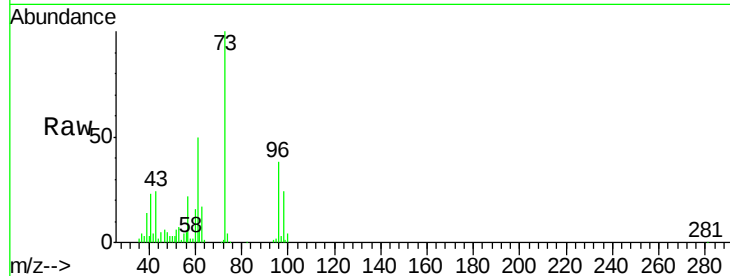
ClientSampleId :

VN0903WBS01

Tot Ion:	96	Resp:	84884
Ion	Ratio	Lower	Upper
96	100		
61	132.2	116.2	174.4
98	64.3	48.0	72.0

Manual Integrations
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9/4/2020 11:14:24 AM



#22

Diisopropyl ether

Concen: 17.667 ug/l

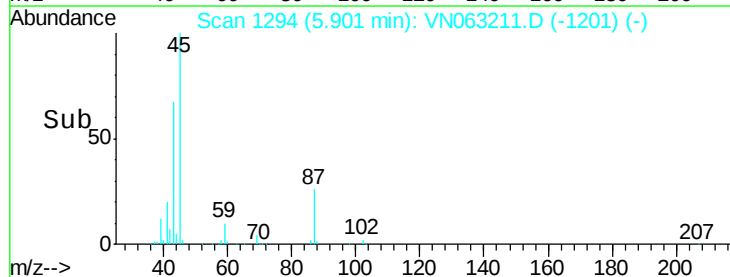
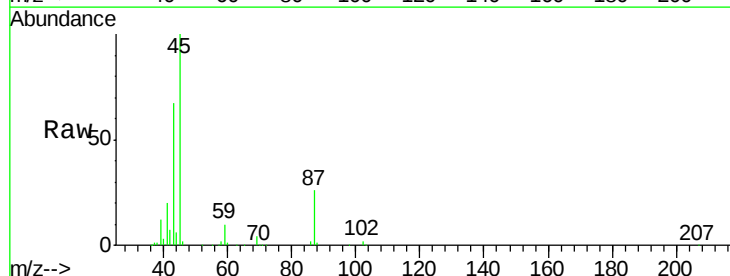
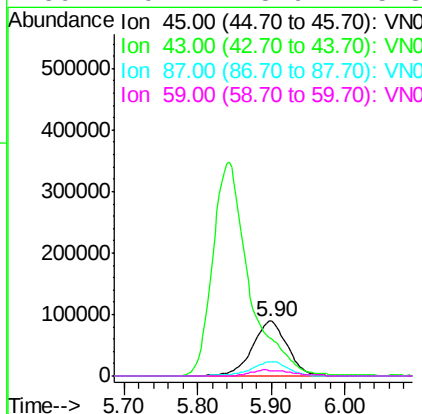
RT: 5.90 min Scan# 1294

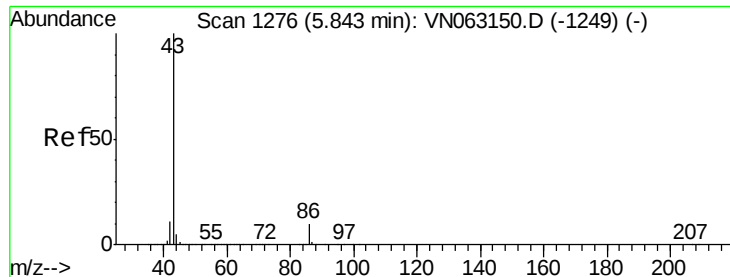
Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	45	Resp:	295742
Ion	Ratio	Lower	Upper
45	100		
43	64.2	56.8	85.2
87	26.2	21.1	31.7
59	9.4	8.9	13.3





#23

Vinyl Acetate

Concen: 89.174 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 43 Resp: 1191063

Ion Ratio Lower Upper

43 100

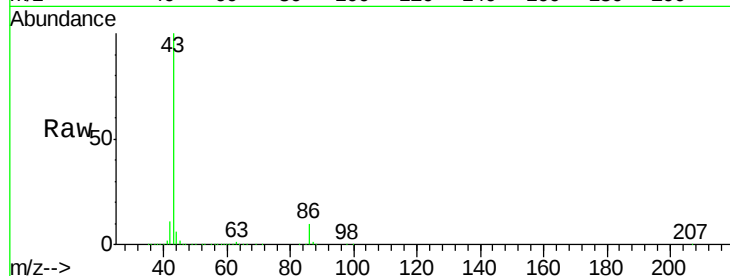
86 10.3 8.3 12.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

400000

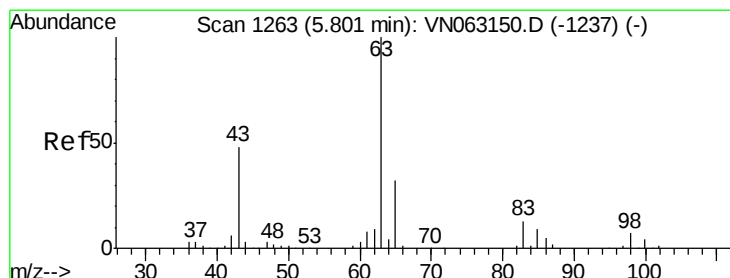
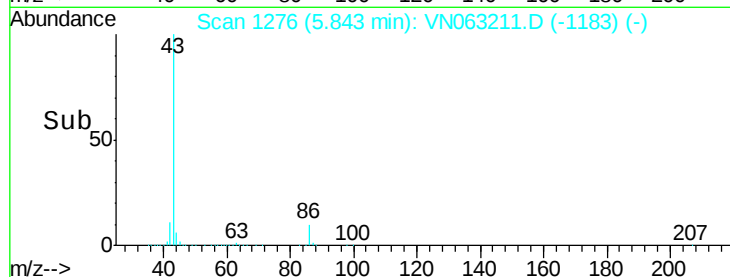
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.689 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

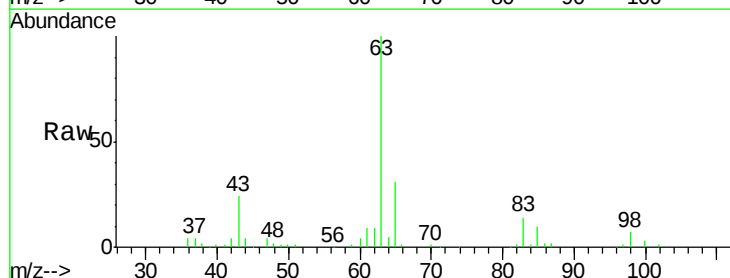
Tgt Ion: 63 Resp: 163237

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 3.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

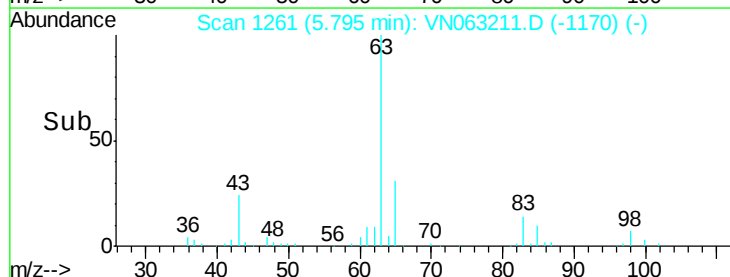
60000

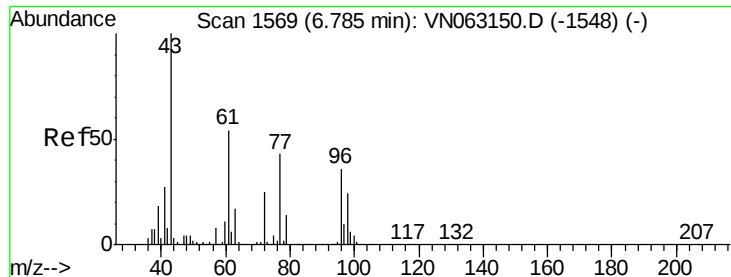
40000

20000

0

Time-->





#25

2-Butanone

Concen: 99.002 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 43 Resp: 273087

Ion Ratio Lower Upper

43 100

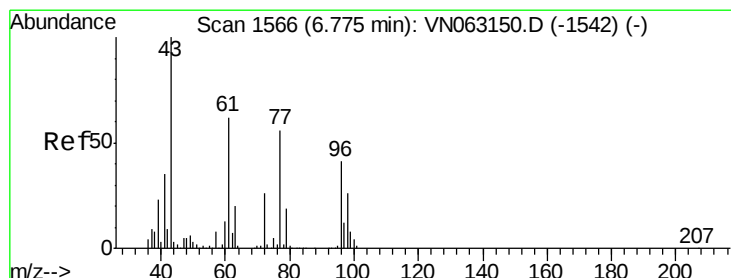
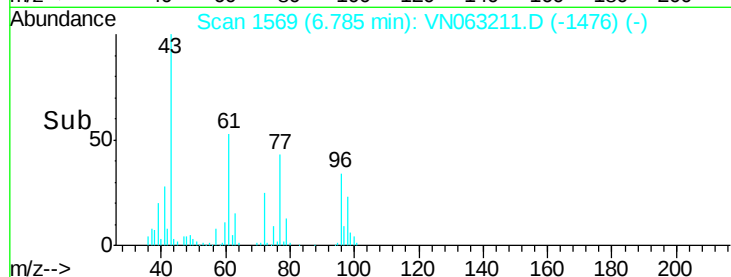
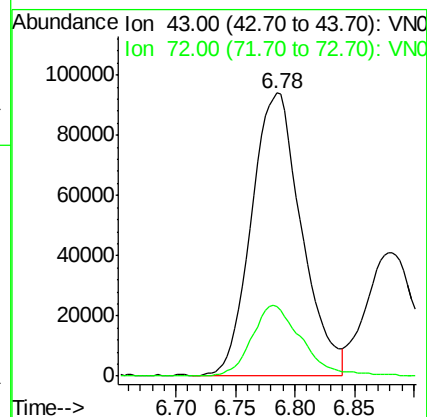
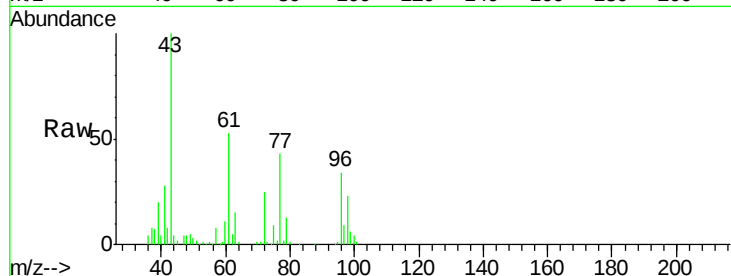
72 24.8 20.2 30.4

Manual Integrations

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9/4/2020 11:14:24 AM



#26

2,2-Dichloropropane

Concen: 17.267 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063211.D

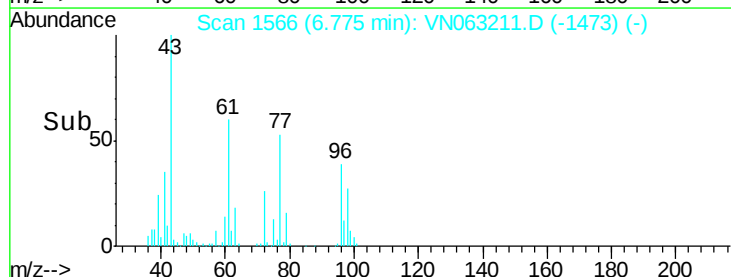
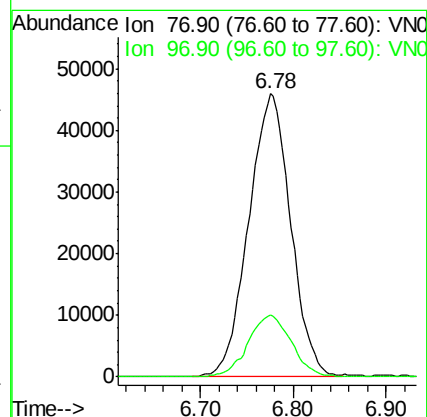
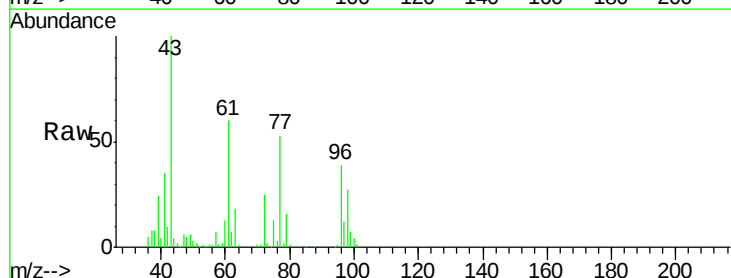
Acq: 3 Sep 2020 11:30

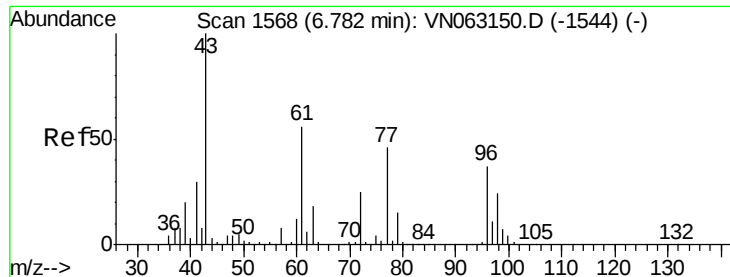
Tgt Ion: 77 Resp: 144364

Ion Ratio Lower Upper

77 100

97 22.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.561 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

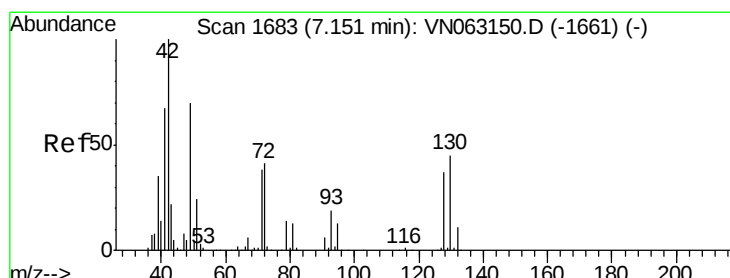
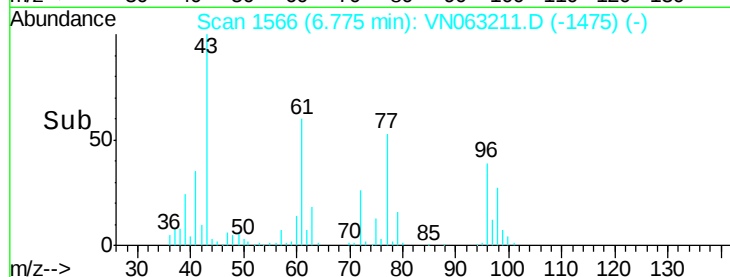
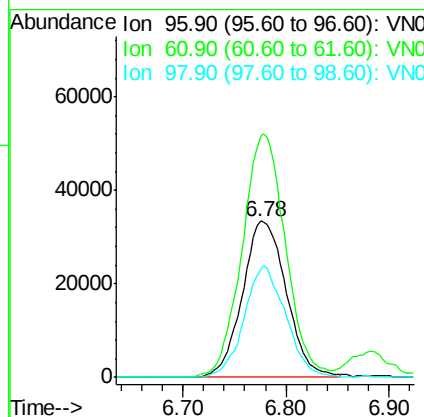
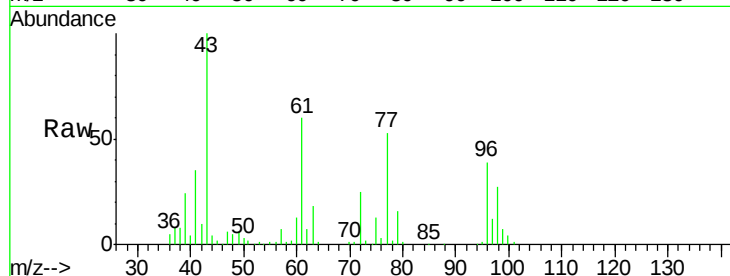
ClientSampleId :

VN0903WBS01

Tot Ion:	96	Resp:	99188
Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	303.2
98	67.4	0.0	129.0

Manual Integrations
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#28

Bromochloromethane

Concen: 18.046 ug/l

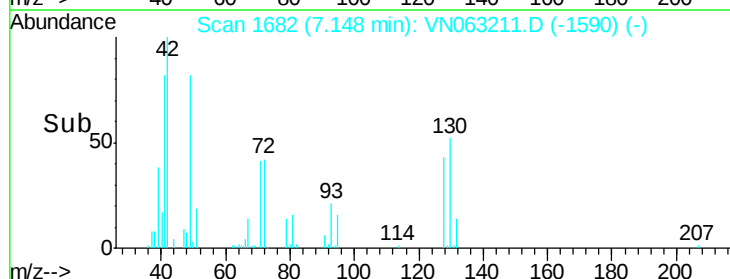
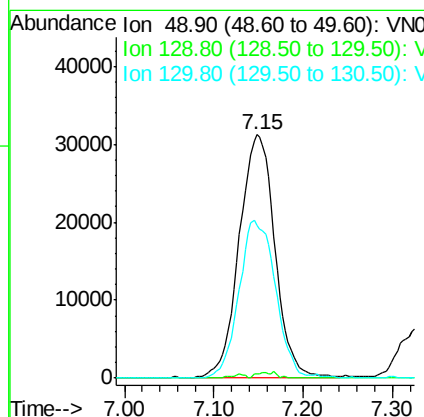
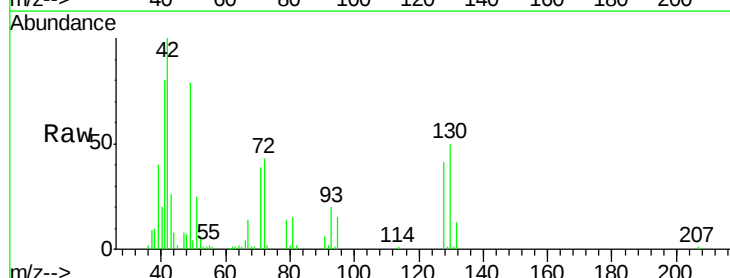
RT: 7.15 min Scan# 1682

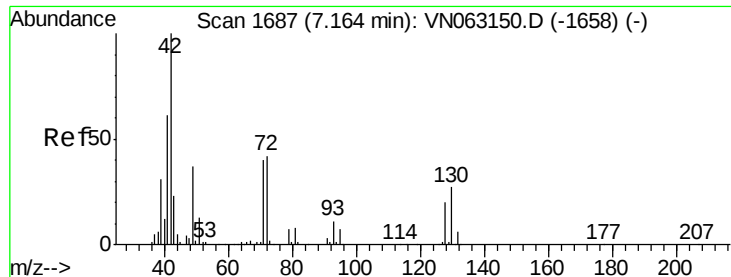
Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	49	Resp:	87004
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	66.2	54.4	81.6





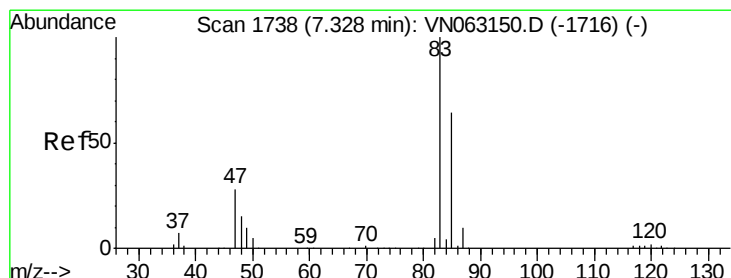
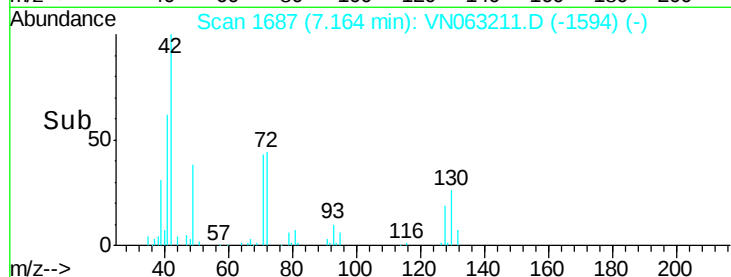
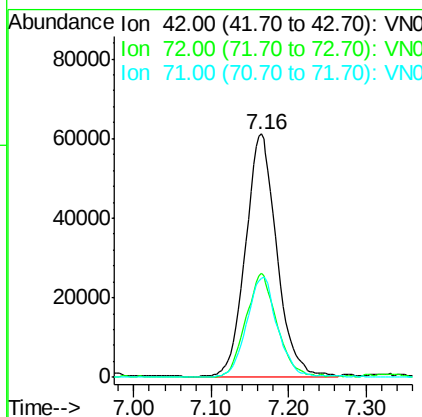
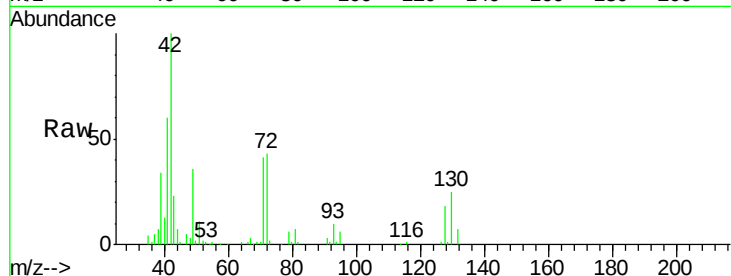
#29
Tetrahydrofuran
Concen: 91.269 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.9	50.9
71	40.3	31.9	47.9

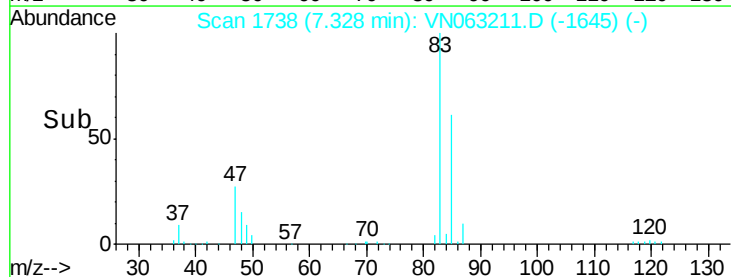
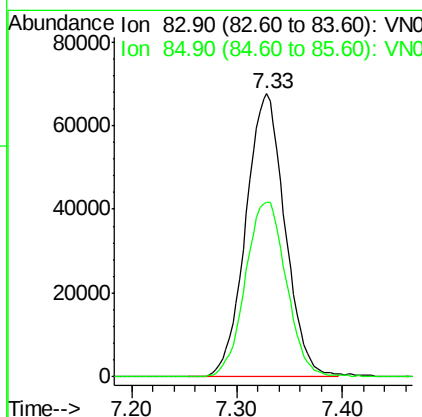
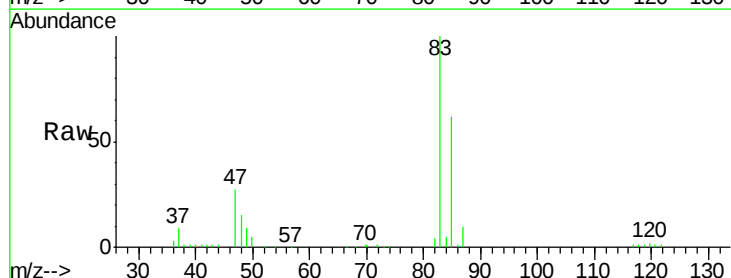
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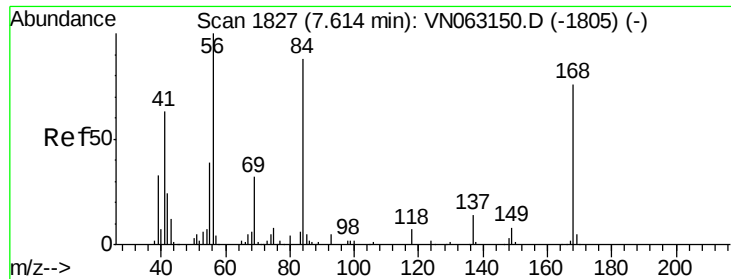
MMDadoda
9/4/2020 11:14:24 AM



#30
Chloroform
Concen: 18.086 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.6





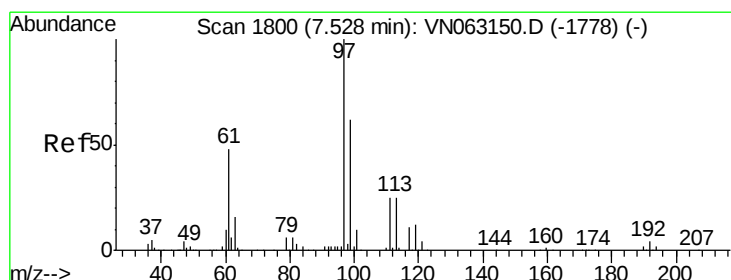
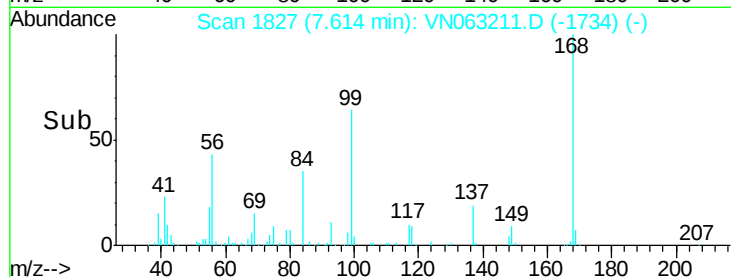
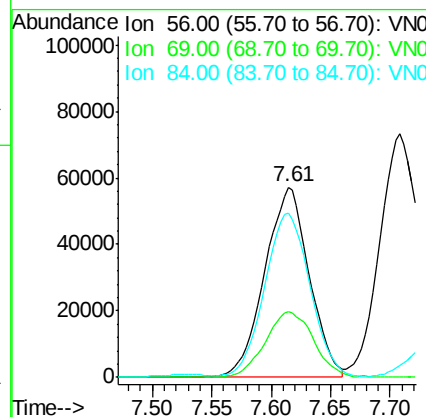
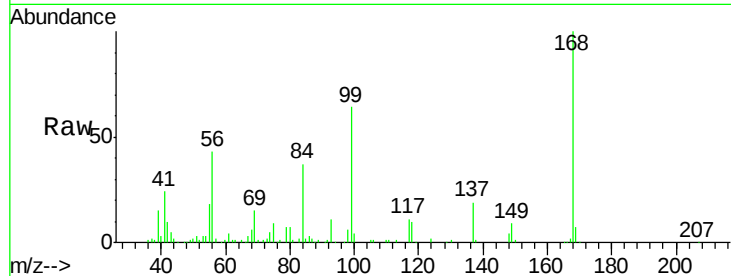
#31
Cyclohexane
Concen: 17.040 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.4	38.0
84	84.4	70.2	105.4

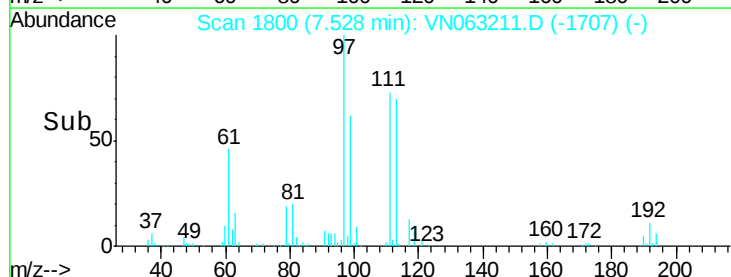
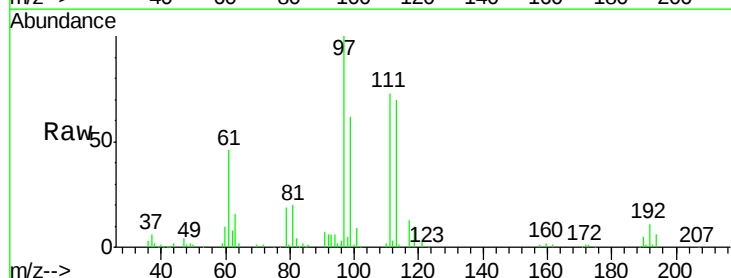
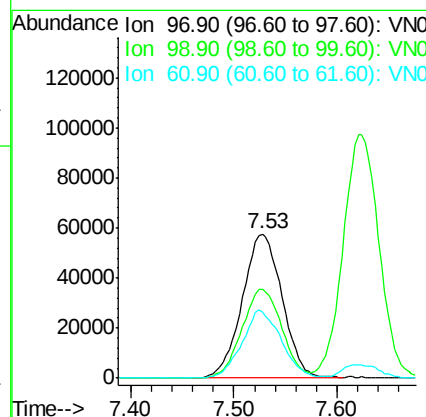
Manual Integrations
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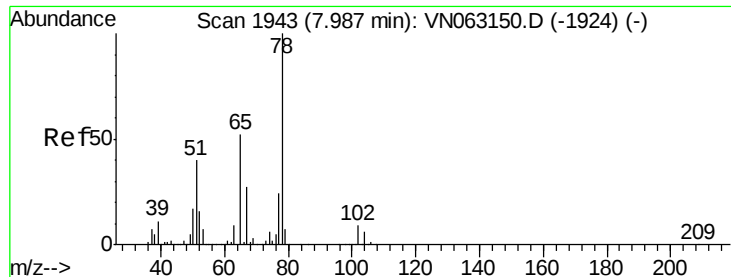
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#32
1,1,1-Trichloroethane
Concen: 18.605 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.8	76.2
61	46.4	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 46.478 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 65 Resp: 291263

Ion Ratio Lower Upper

65 100

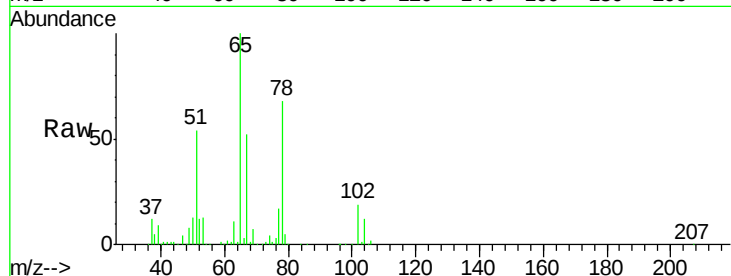
67 51.7 0.0 104.4

Manual Integrations

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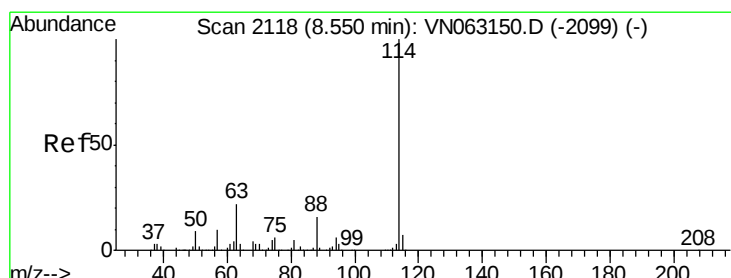
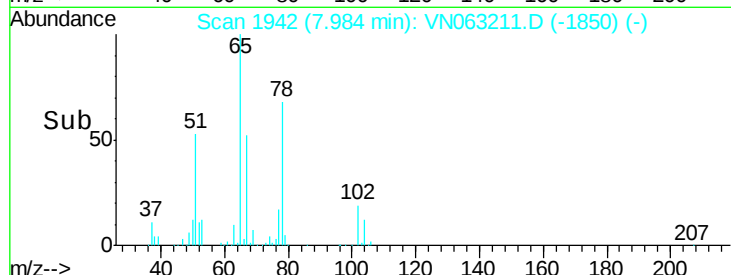
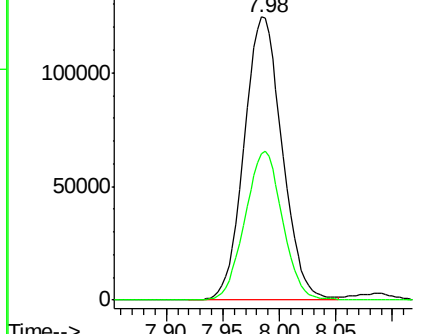
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Abundance Ion 64.90 (64.60 to 65.60): VN063211.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063211.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

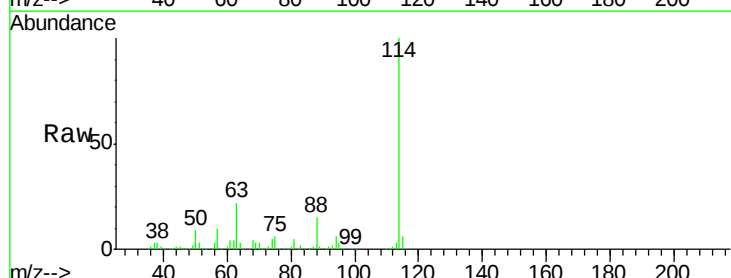
Tgt Ion: 114 Resp: 684454

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

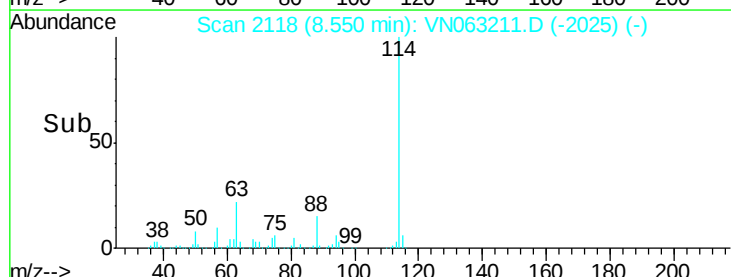
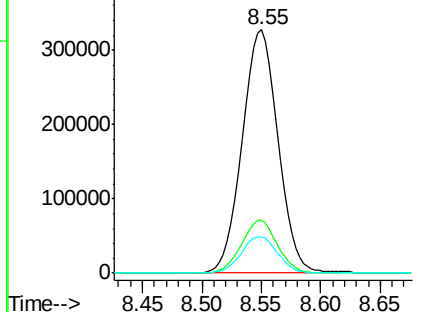
88 14.9 0.0 31.6

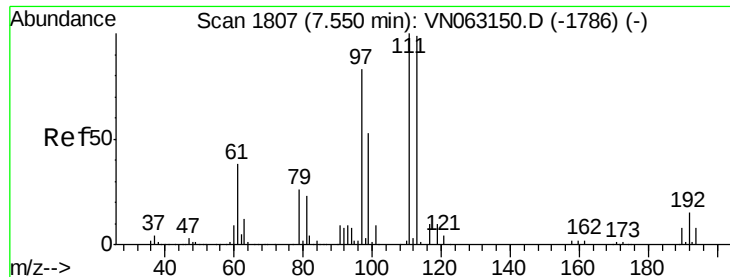


Abundance Ion 113.90 (113.60 to 114.60): VN063211.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063211.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063211.D (-2025) (-)





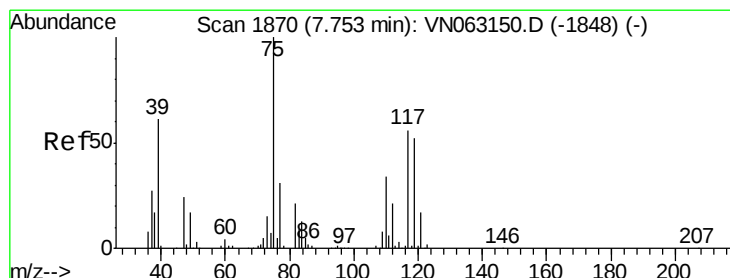
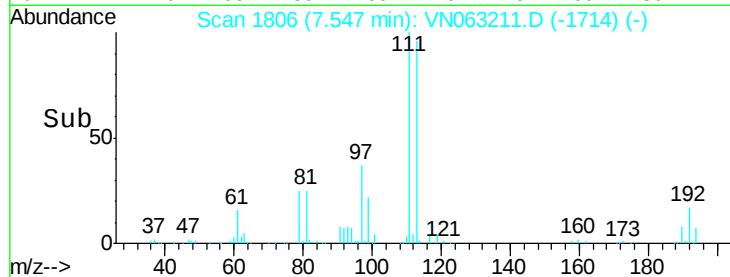
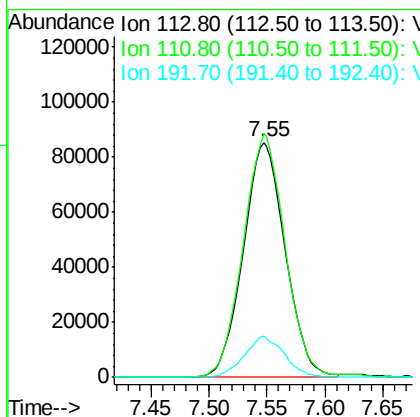
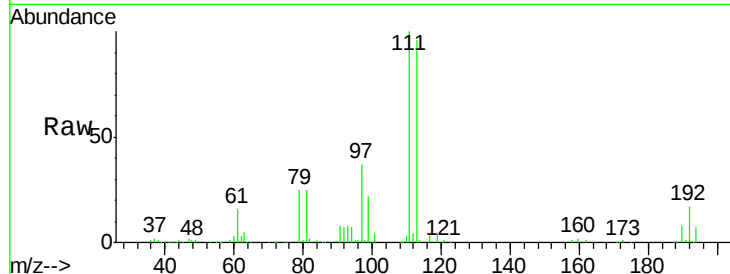
#35
 Dibromofluoromethane
 Concen: 48.885 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214660		
111	103.3	80.7	121.1	
192	16.8	12.6	19.0	

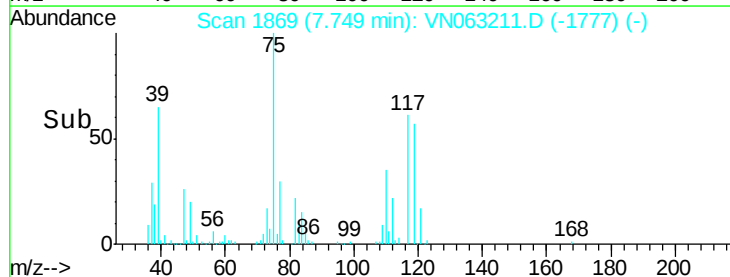
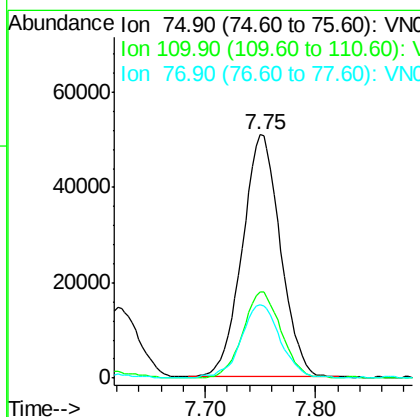
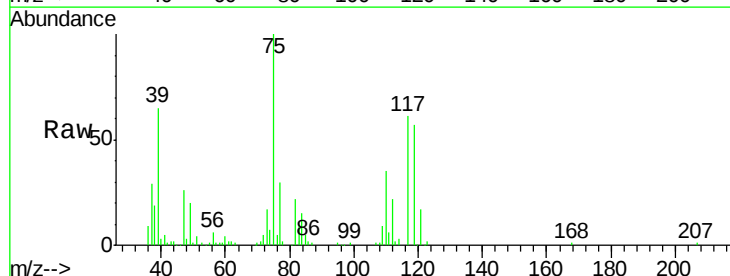
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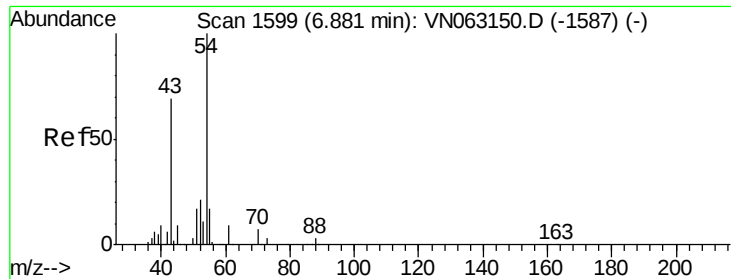
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#36
 1,1-Dichloropropene
 Concen: 18.503 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121747		
110	35.4	16.6	49.8	
77	31.6	25.4	38.2	





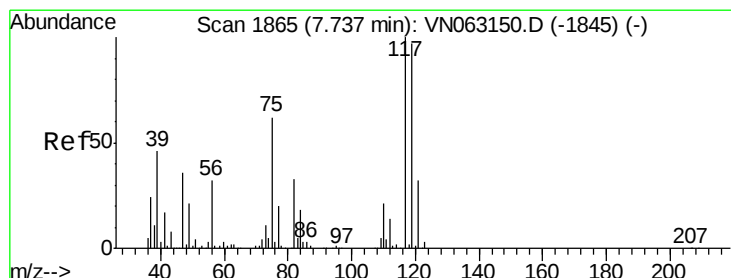
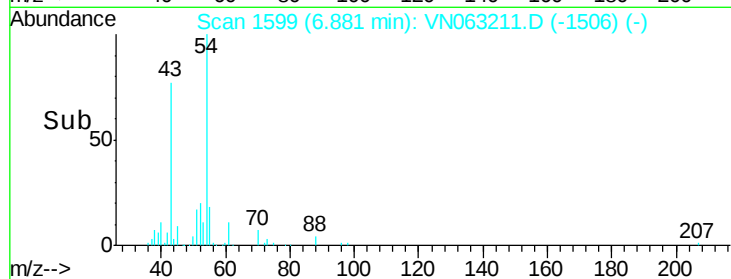
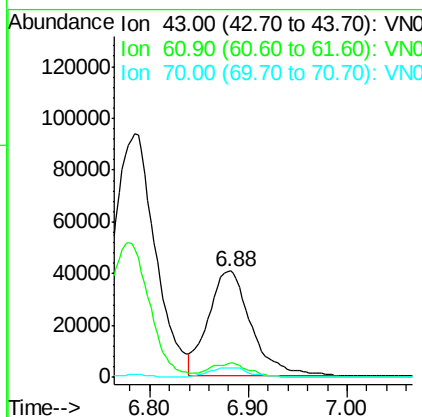
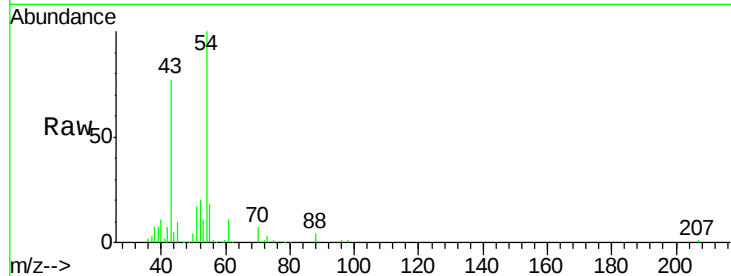
#37
Ethyl Acetate
Concen: 19.941 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.2	15.4
70	9.0	3.0	4.6

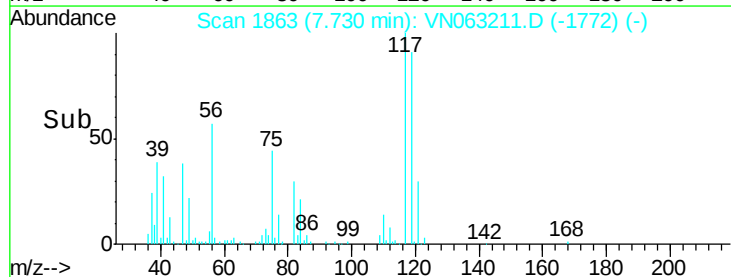
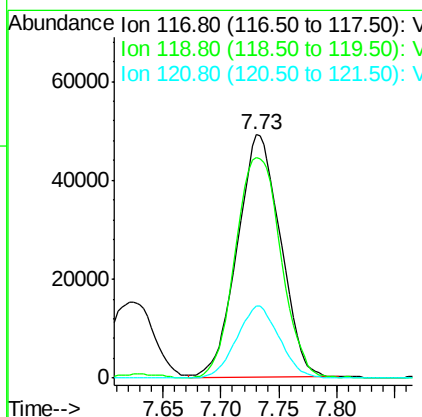
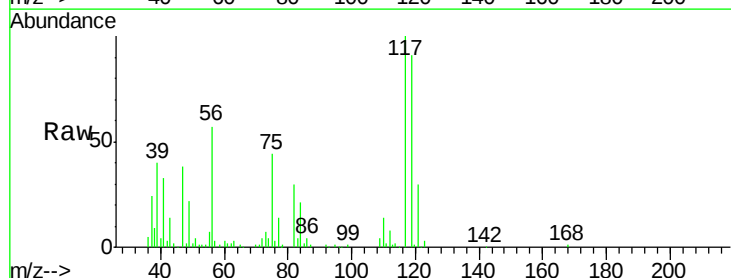
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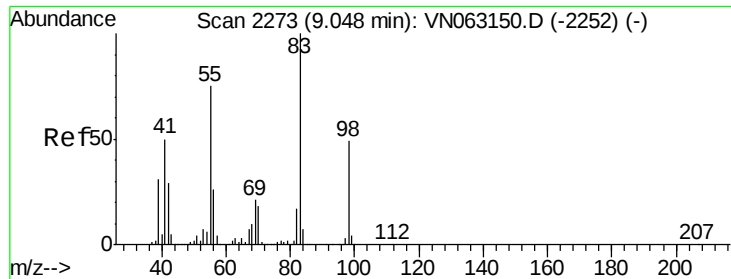
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#38
Carbon Tetrachloride
Concen: 18.989 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.2	115.8
121	29.7	25.6	38.4





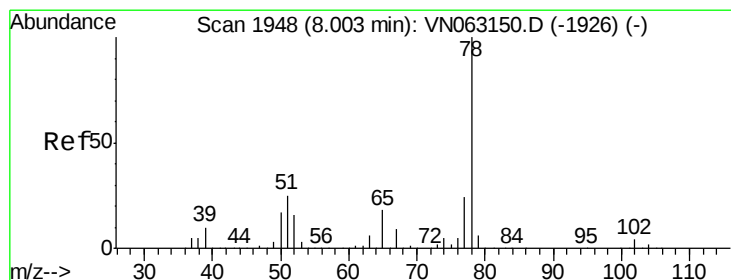
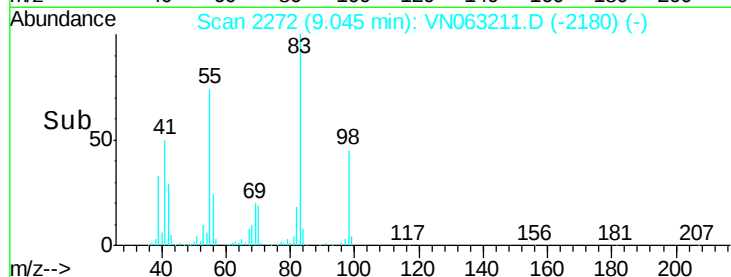
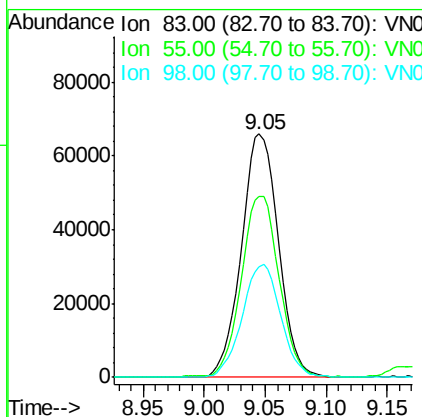
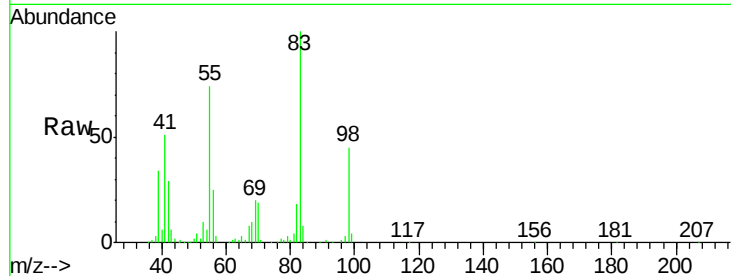
#39
Methvlcvclohexane
Concen: 18.698 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	60.3	90.5	
98	45.3	38.9	58.3	

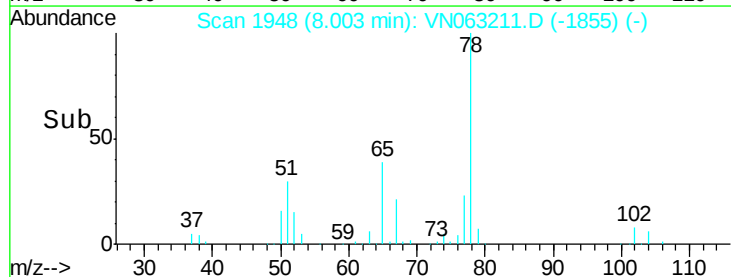
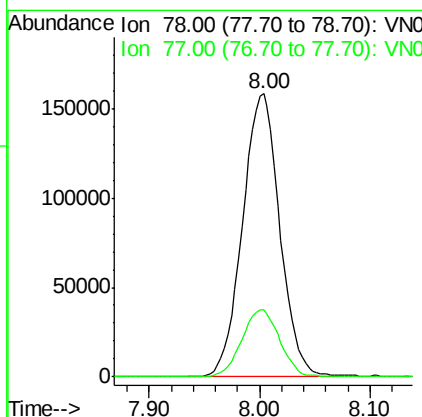
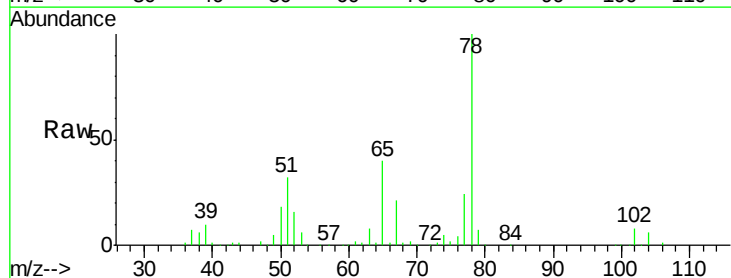
Manual Integrations
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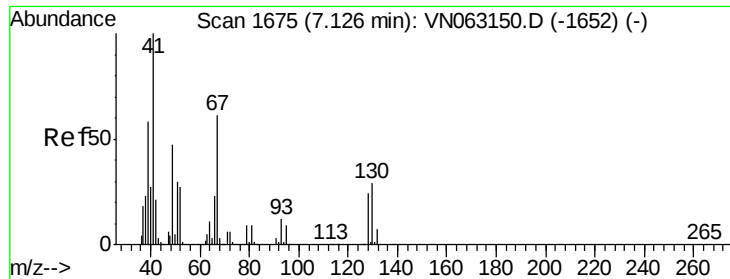
MMDadoda
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#40
Benzene
Concen: 19.119 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.3	28.9	





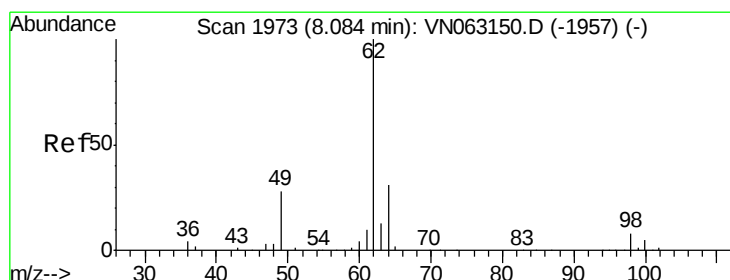
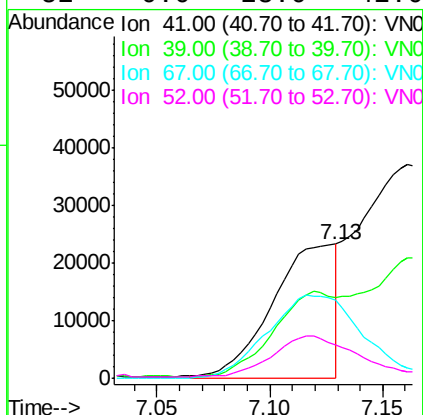
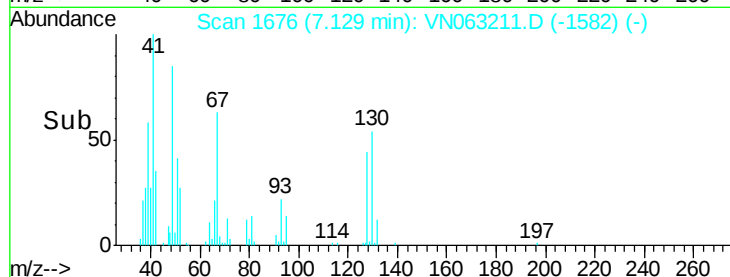
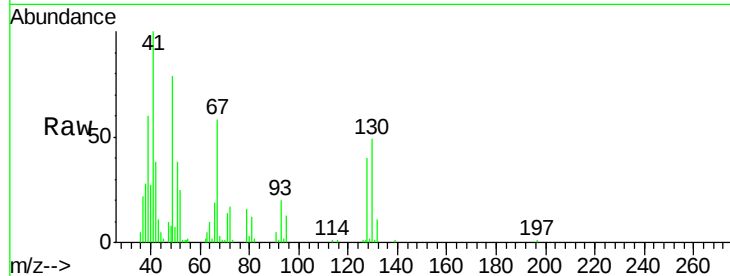
#41
Methacrylonitrile
Concen: 16.440 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

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

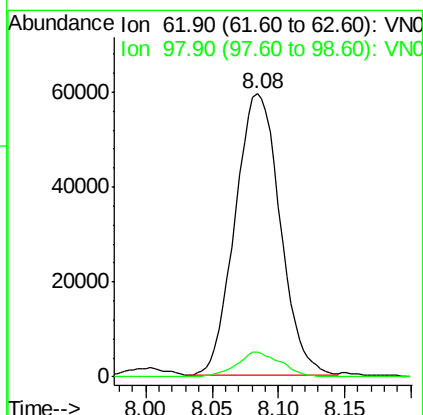
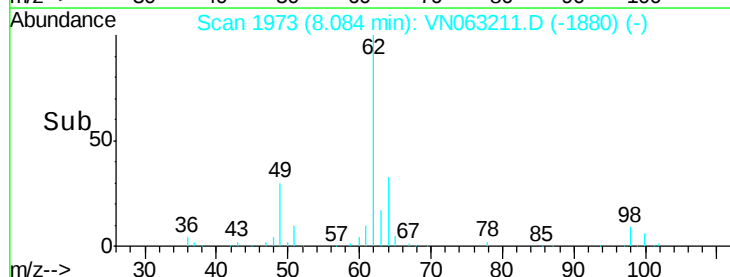
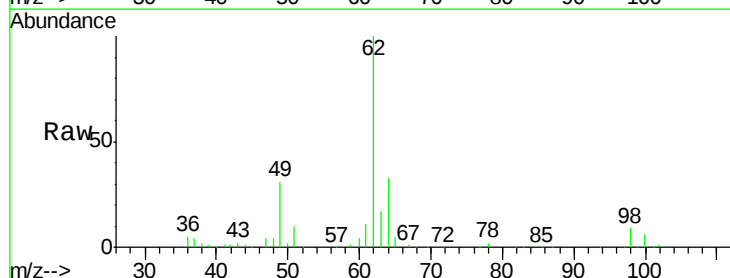
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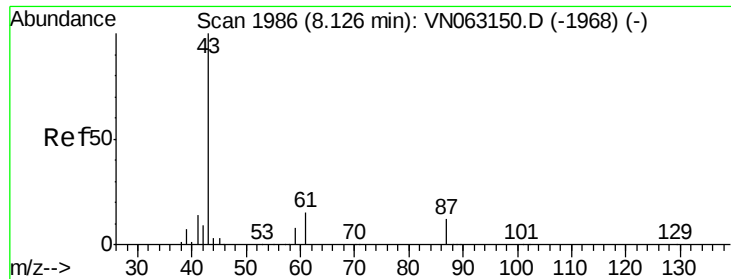
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#42
1,2-Dichloroethane
Concen: 19.419 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





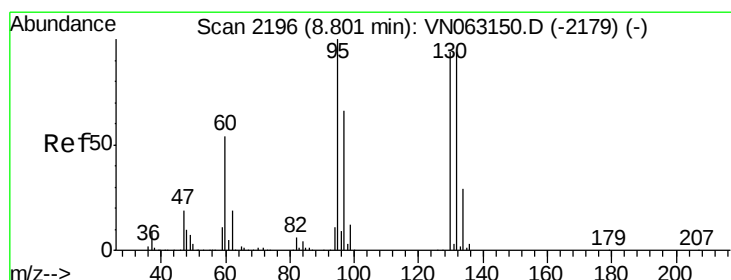
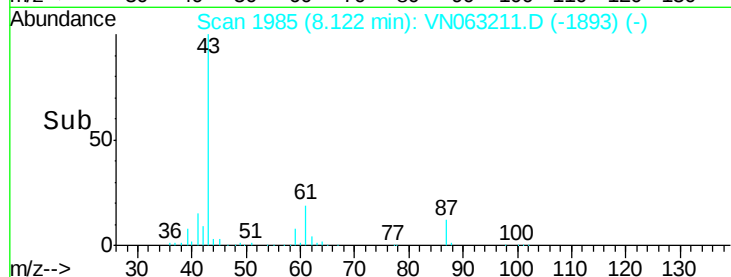
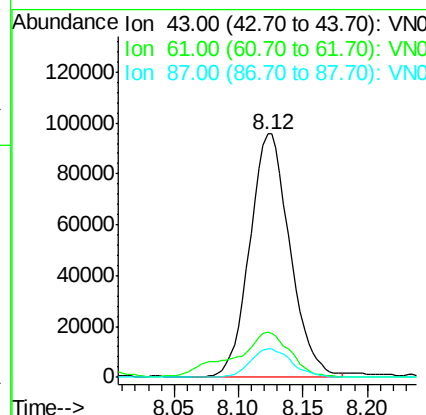
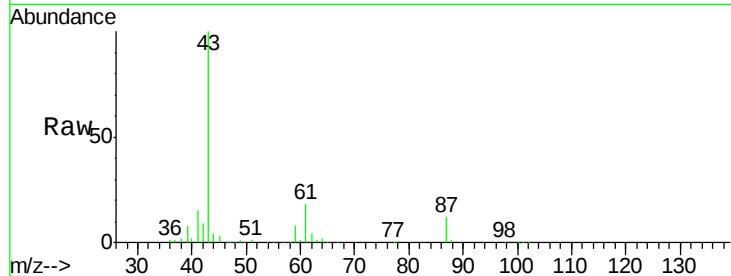
#43
Isopropyl Acetate
Concen: 19.262 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.2	30.4
87	12.3	9.8	14.6

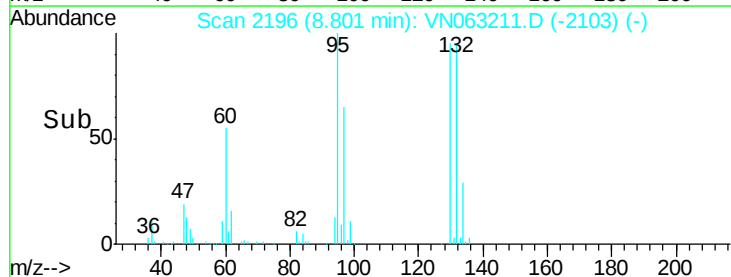
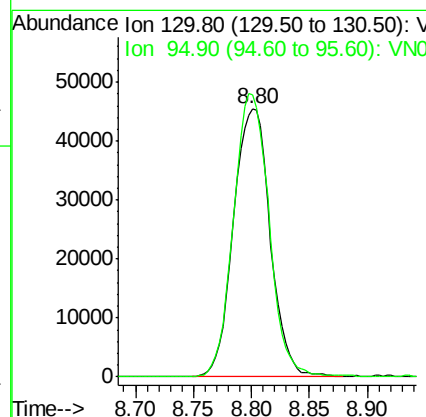
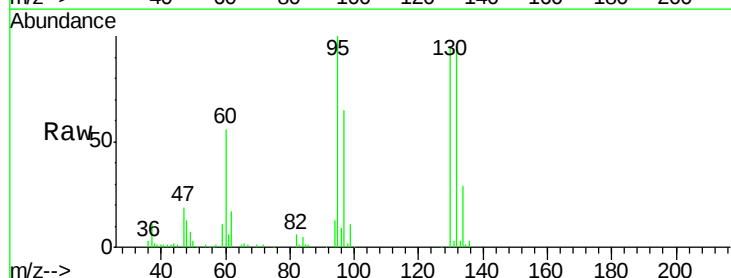
Manual Integrations
APPROVED

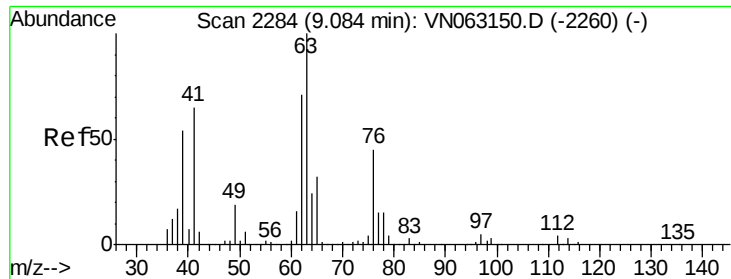
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#44
Trichloroethene
Concen: 21.236 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	212.0





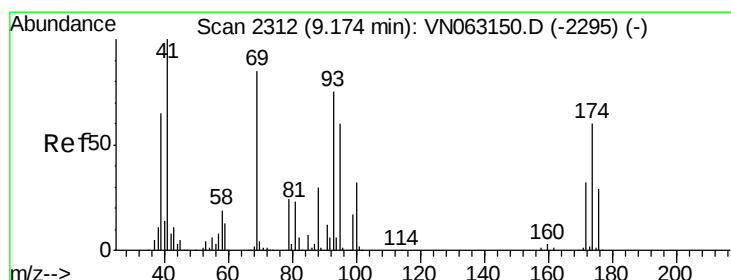
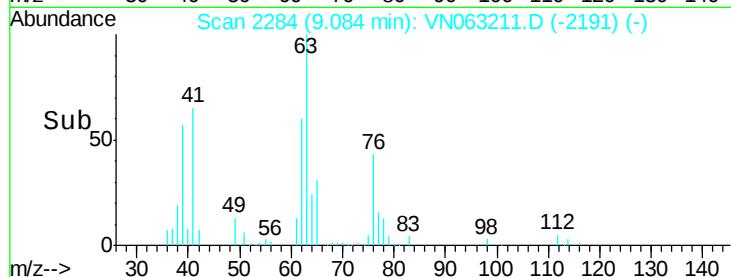
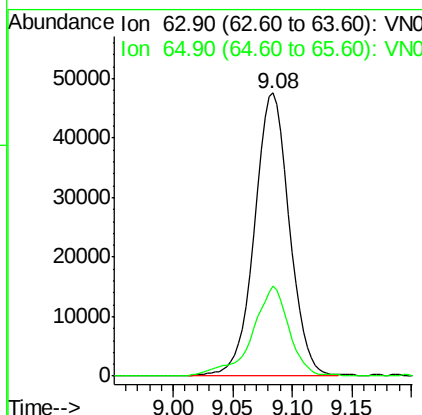
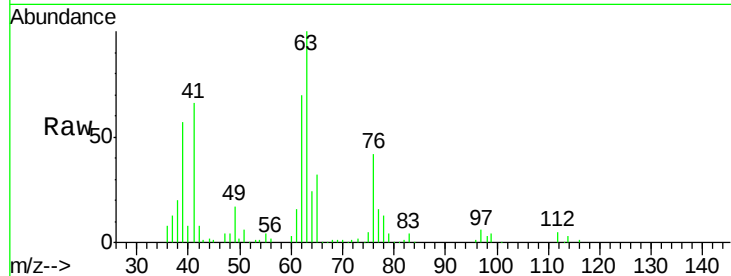
#45
 1,2-Dichloropropane
 Concen: 18.916 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion: 63 Resp: 96844
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.0

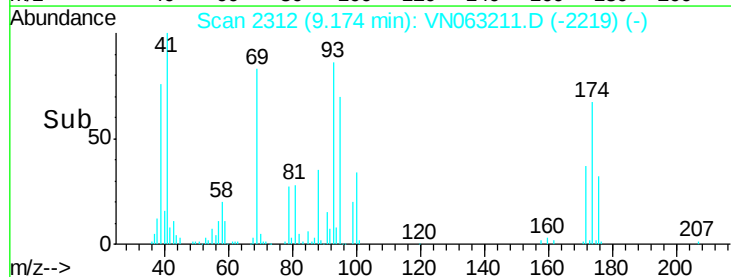
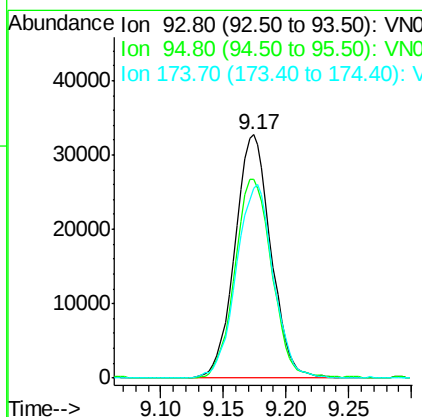
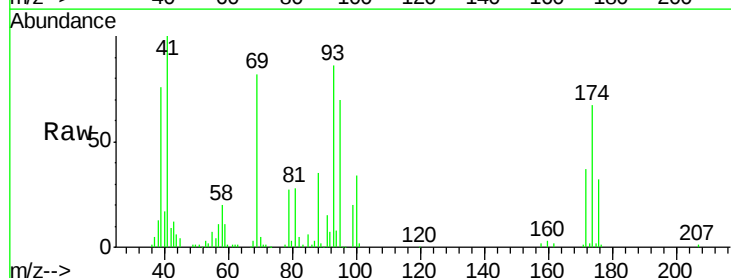
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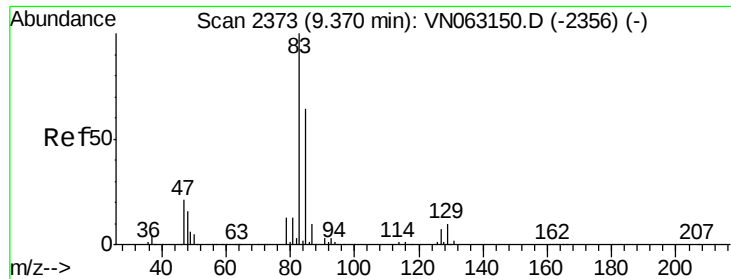
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#46
 Dibromomethane
 Concen: 19.210 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion: 93 Resp: 65175
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.2 97.8
 174 82.1 64.6 97.0





#47

Bromodichloromethane

Concen: 18.783 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

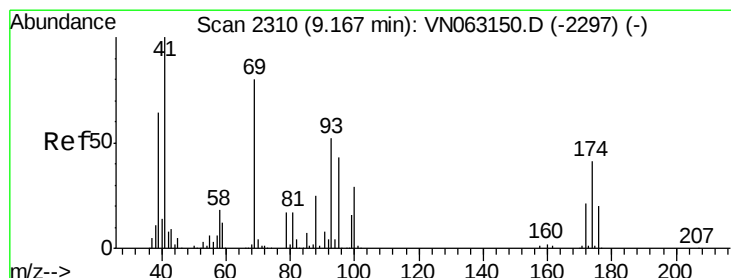
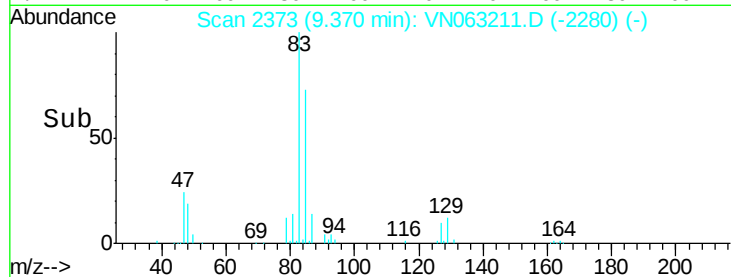
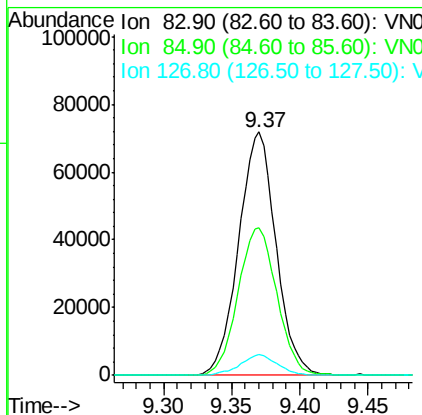
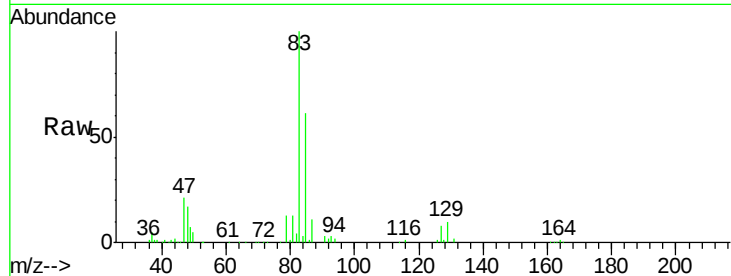
ClientSampleId :

VN0903WBS01

Tot Ion:	83	Resp:	136590
Ion Ratio	Lower	Upper	
83	100		
85	60.6	51.0	76.6
127	8.4	5.7	8.5

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#48

Methyl methacrylate

Concen: 18.806 ug/l

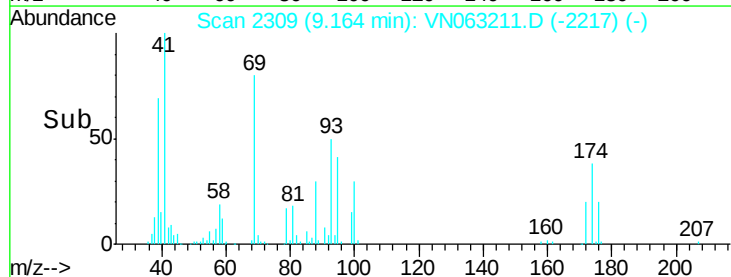
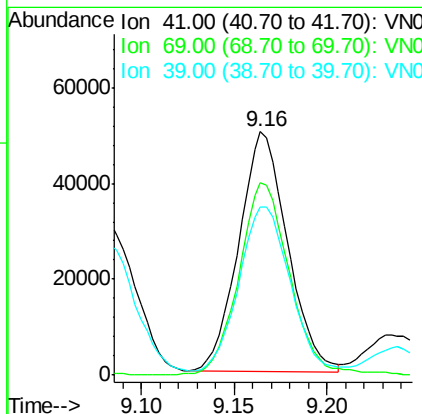
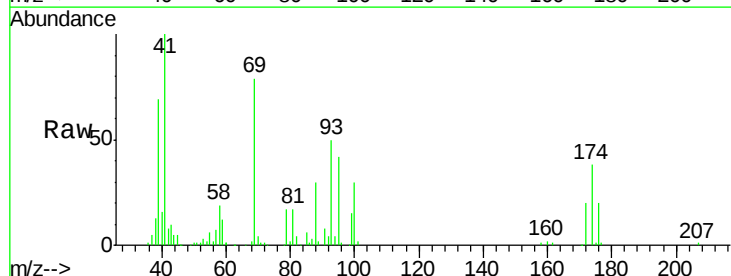
RT: 9.16 min Scan# 2309

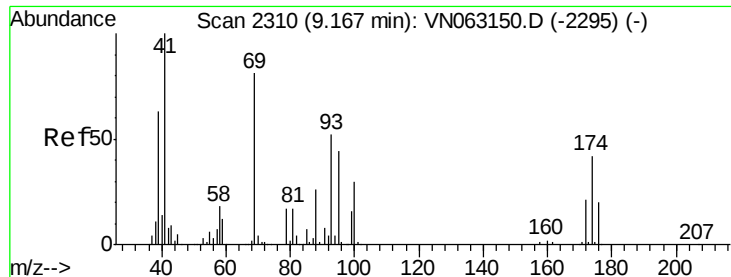
Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	41	Resp:	90974
Ion Ratio	Lower	Upper	
41	100		
69	83.3	65.9	98.9
39	74.1	52.0	78.0





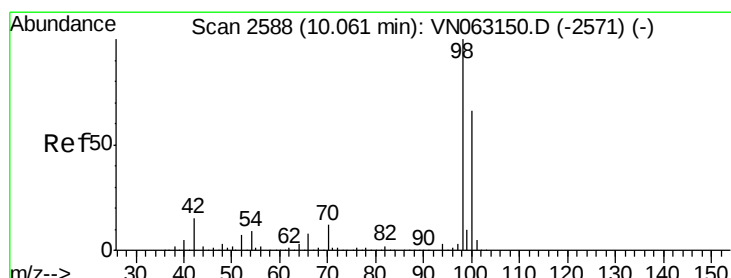
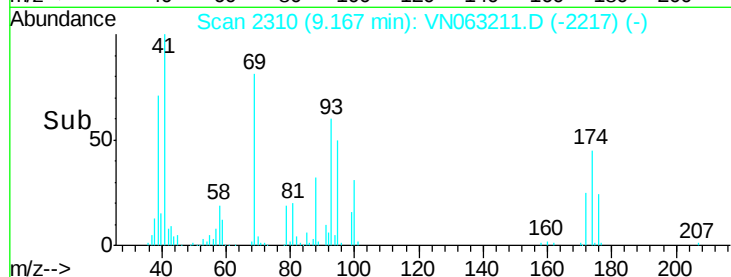
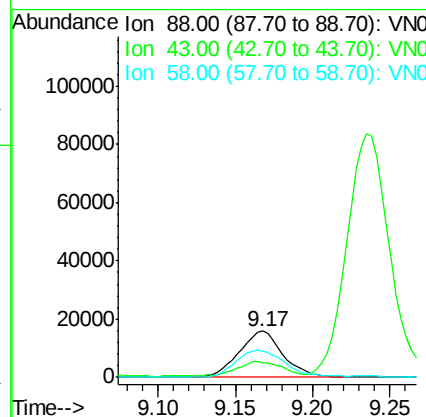
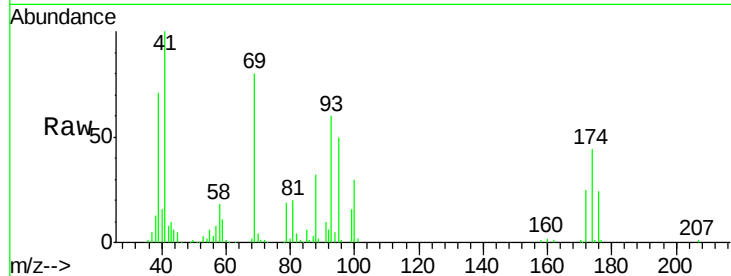
#49
1,4-Dioxane
Concen: 417.333 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	28.6	42.8
58	67.0	53.2	79.8

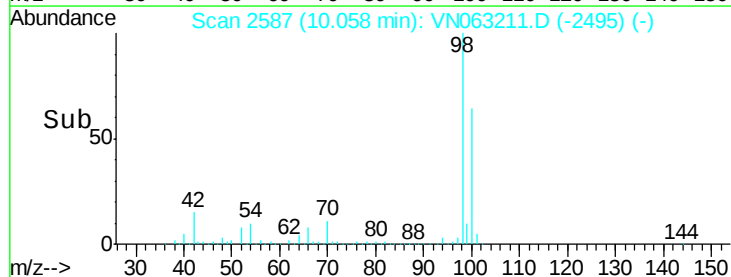
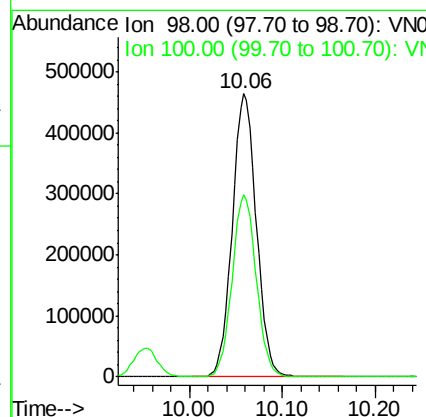
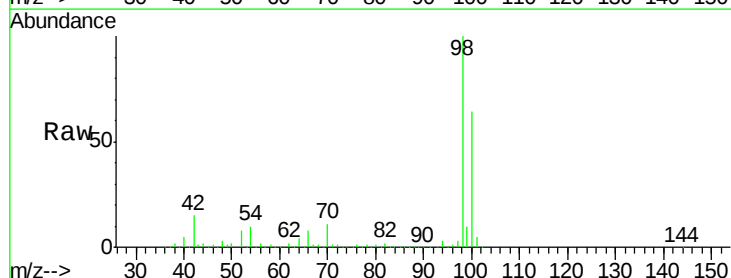
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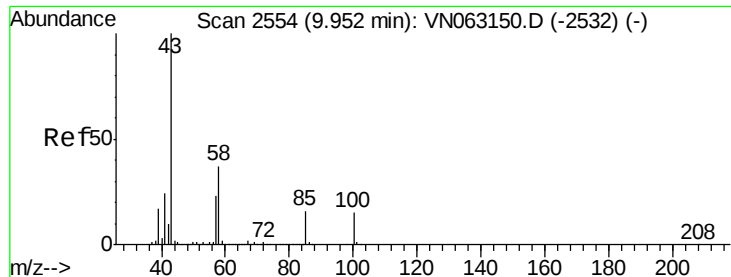
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#50
Toluene-d8
Concen: 49.508 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 102.433 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion: 43 Resp: 597319

Ion Ratio Lower Upper

43 100

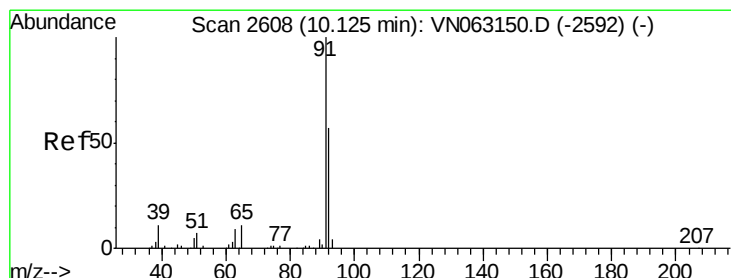
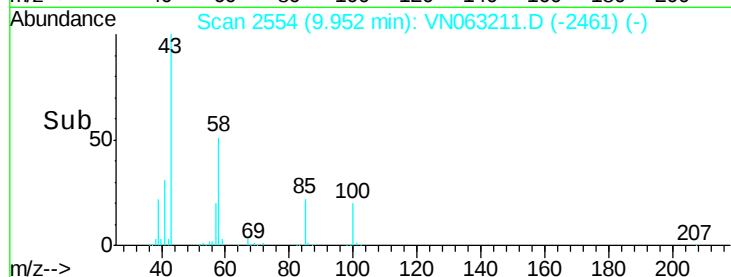
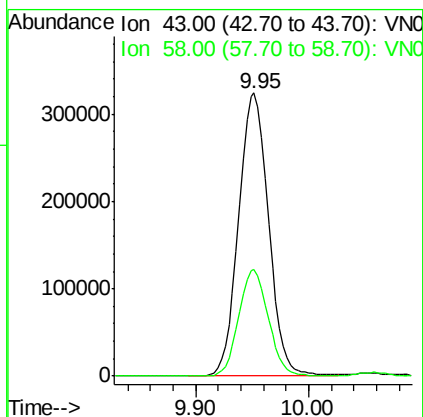
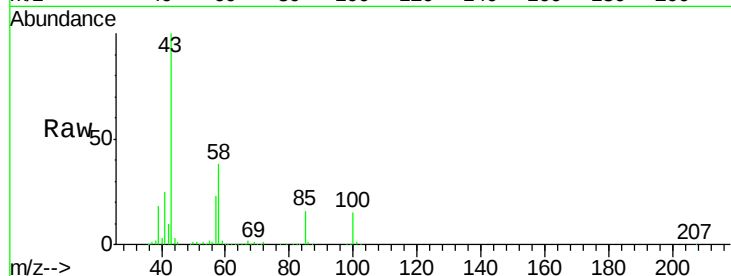
58 37.3 29.2 43.8

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#52

Toluene

Concen: 19.430 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063211.D

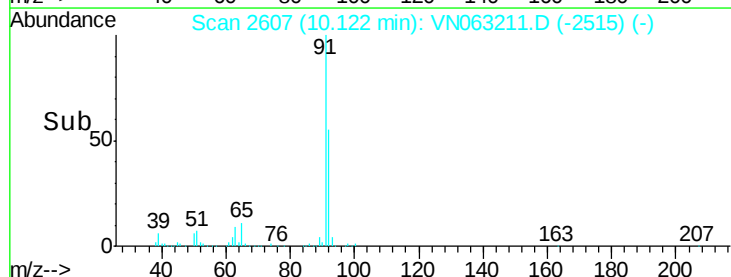
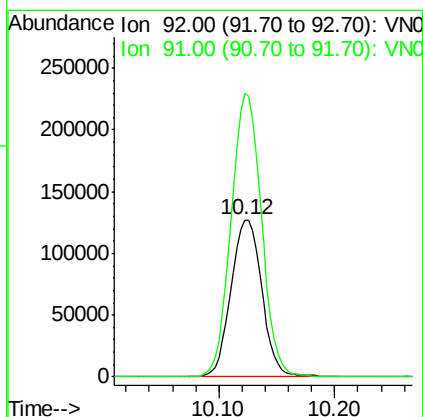
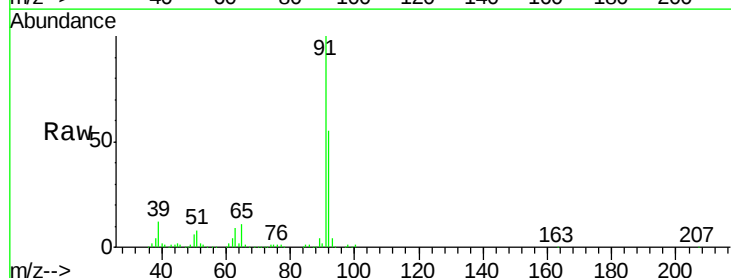
Acq: 3 Sep 2020 11:30

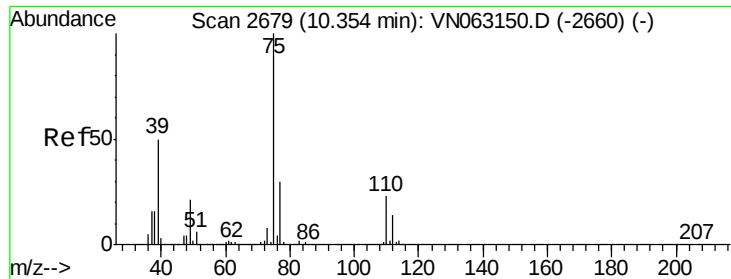
Tgt Ion: 92 Resp: 234038

Ion Ratio Lower Upper

92 100

91 177.5 141.2 211.8





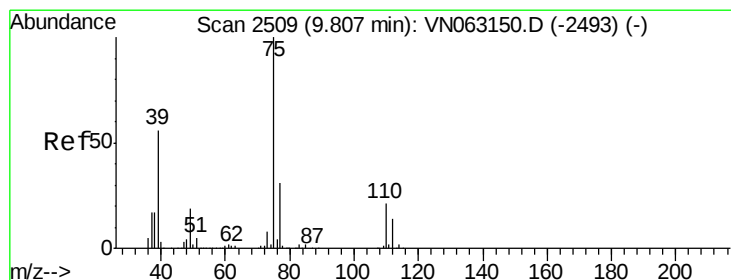
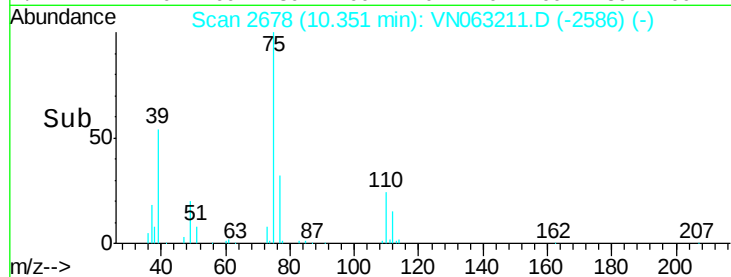
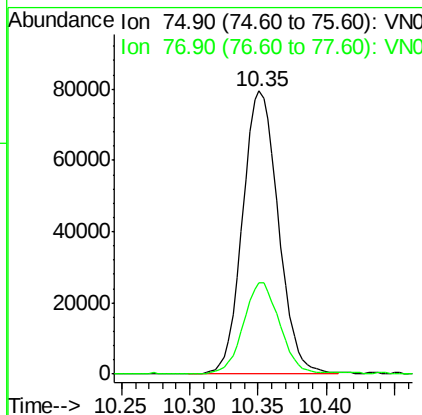
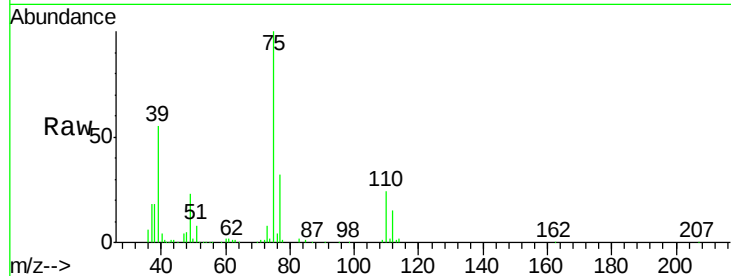
#53
t-1,3-Dichloropropene
Concen: 18.176 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion: 75 Resp: 144587
Ion Ratio Lower Upper
75 100
77 32.0 24.2 36.2

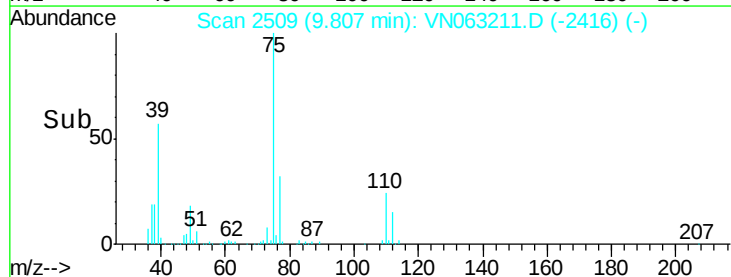
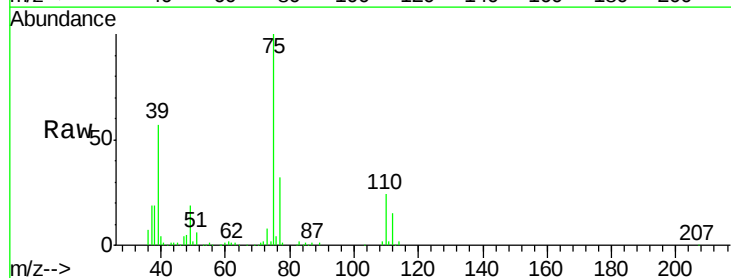
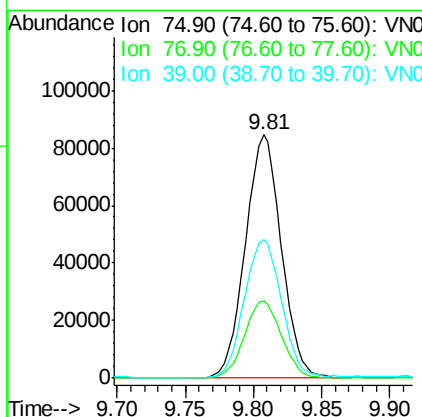
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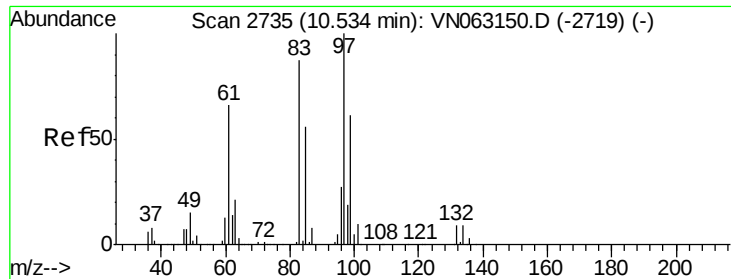
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#54
cis-1,3-Dichloropropene
Concen: 18.579 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion: 75 Resp: 155130
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 56.7 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 20.269 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

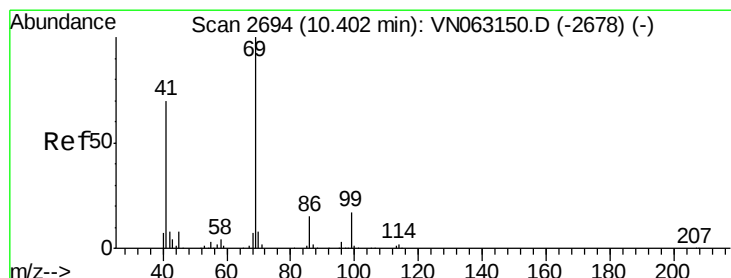
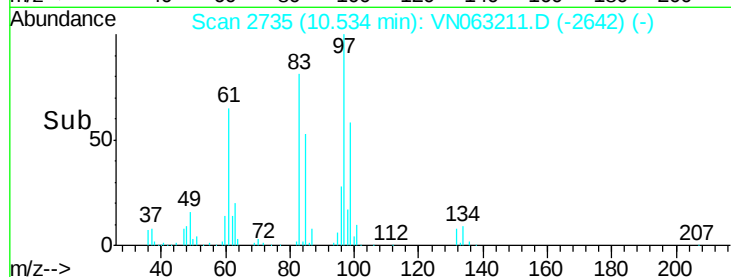
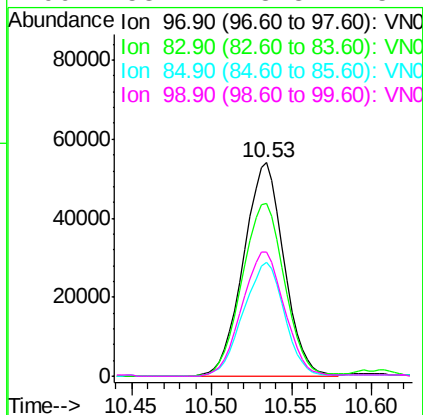
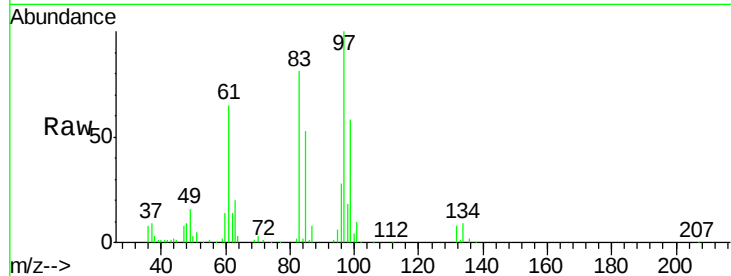
ClientSampleId :

VN0903WBS01

Tot Ion:	97	Resp:	93501
Ion	Ratio	Lower	Upper
97	100		
83	80.7	69.8	104.8
85	53.3	44.9	67.3
99	58.1	48.8	73.2

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#56

Ethyl methacrylate

Concen: 18.040 ug/l

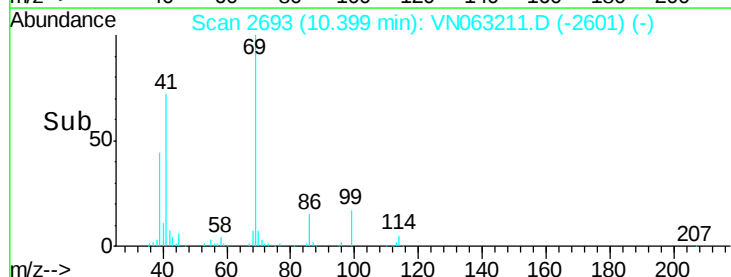
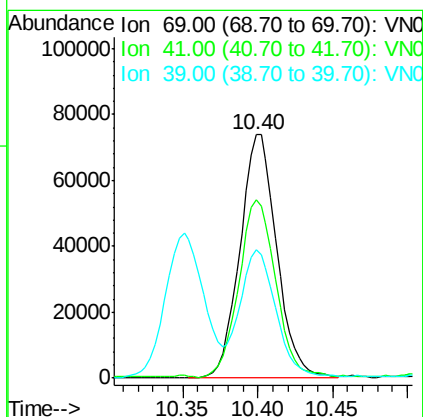
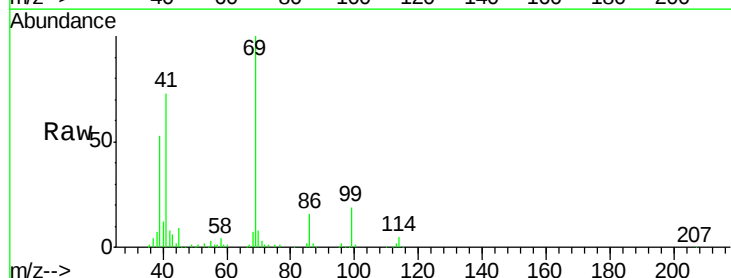
RT: 10.40 min Scan# 2693

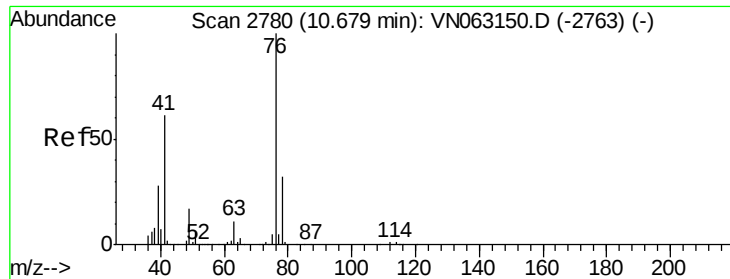
Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	69	Resp:	126647
Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.5	83.3
39	50.9	38.2	57.2





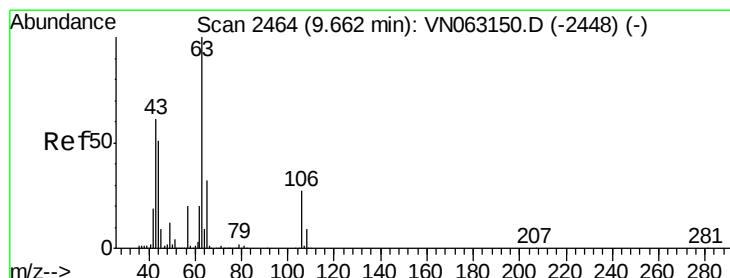
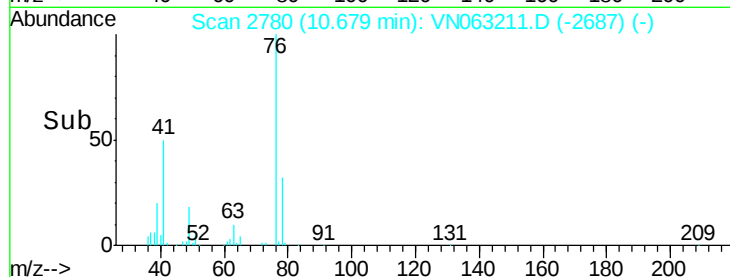
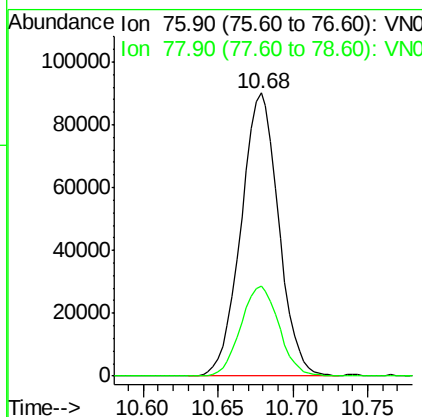
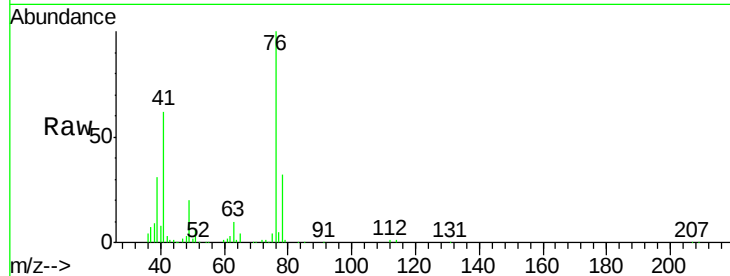
#57
 1,3-Dichloropropane
 Concen: 19.161 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0903WBS01

Tot Ion: 76 Resp: 157463
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

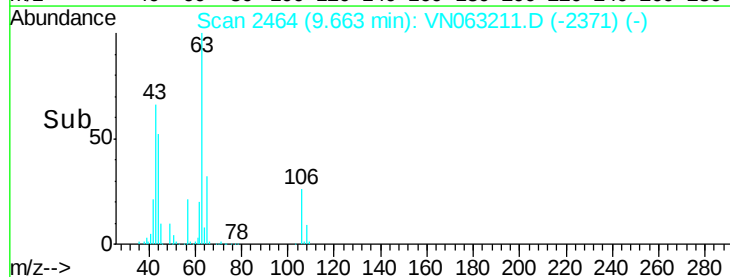
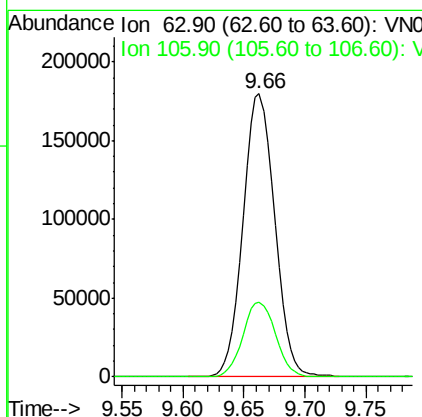
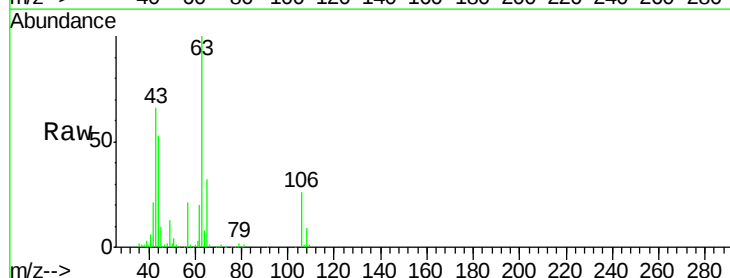
Manual Integrations
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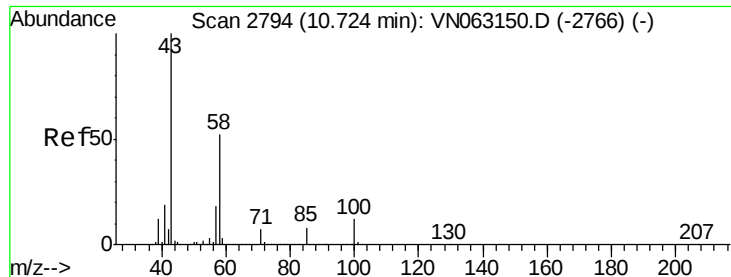
MMDadoda
 9/4/2020 11:14:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.597 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion: 63 Resp: 322079
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.8 32.6





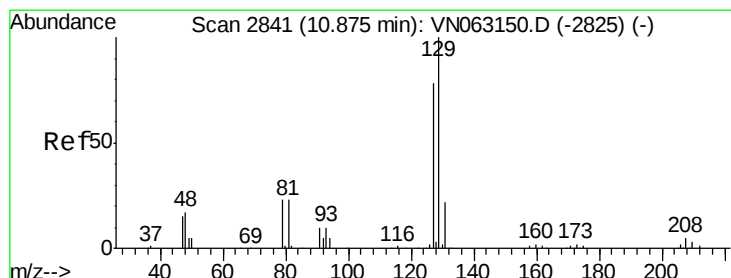
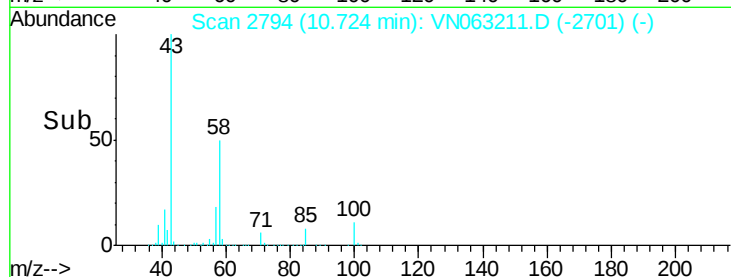
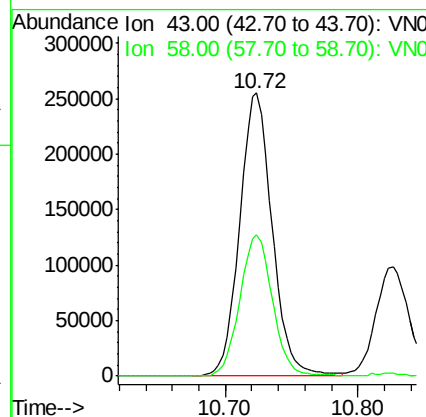
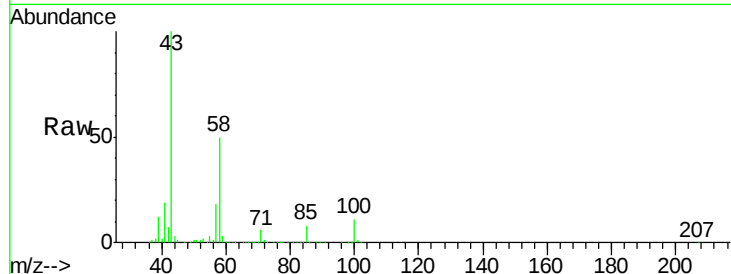
#59
2-Hexanone
Concen: 105.365 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion: 43 Resp: 431803
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.8

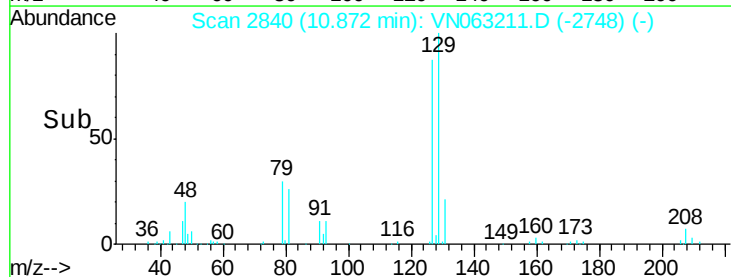
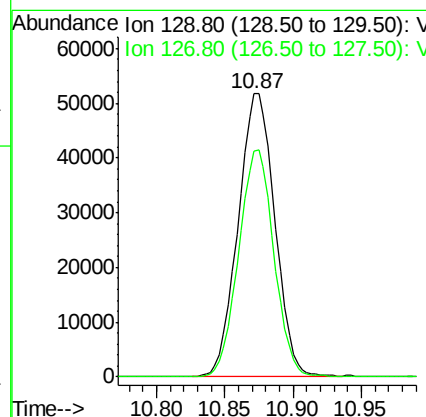
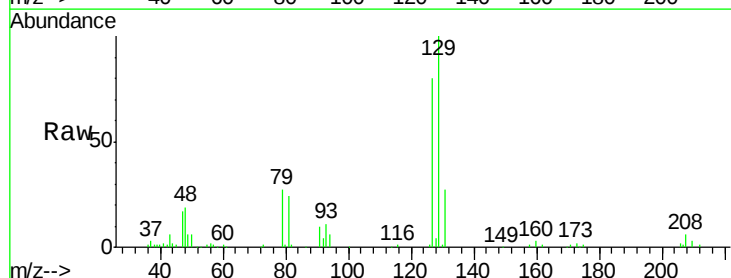
Manual Integrations
APPROVED

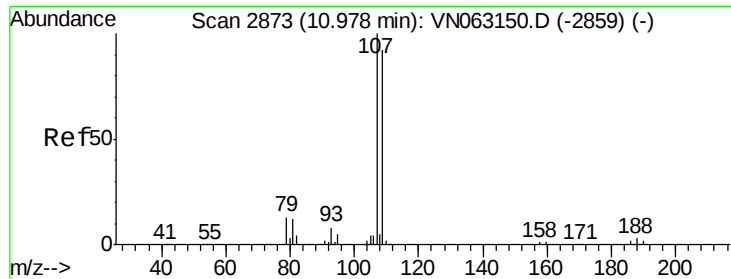
MMDadoda
9/4/2020 11:14:24 AM



#60
Dibromochloromethane
Concen: 18.991 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion: 129 Resp: 96851
Ion Ratio Lower Upper
129 100
127 76.9 39.0 117.0





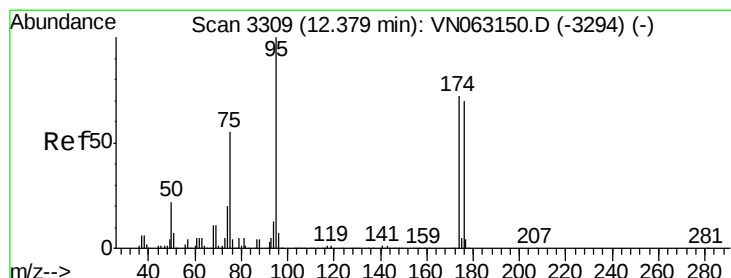
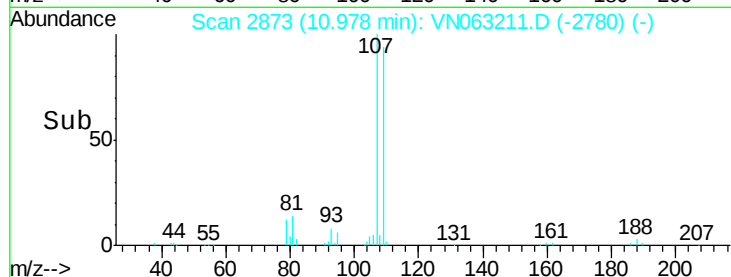
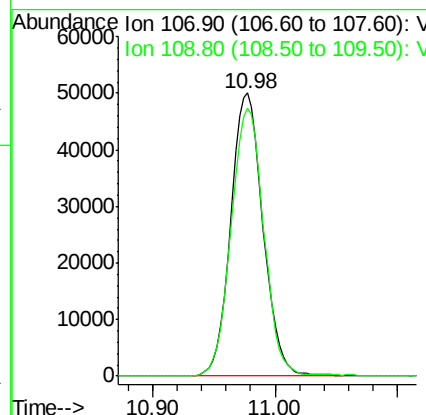
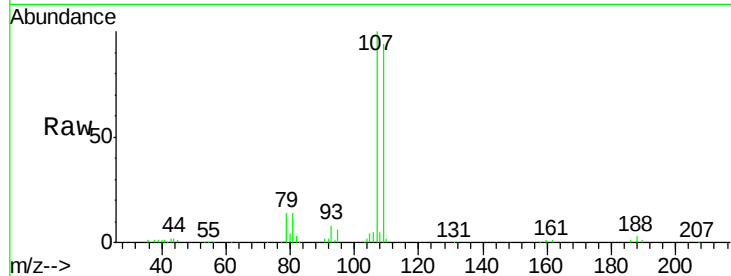
#61
 1,2-Dibromoethane
 Concen: 19.286 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	73.4	110.0

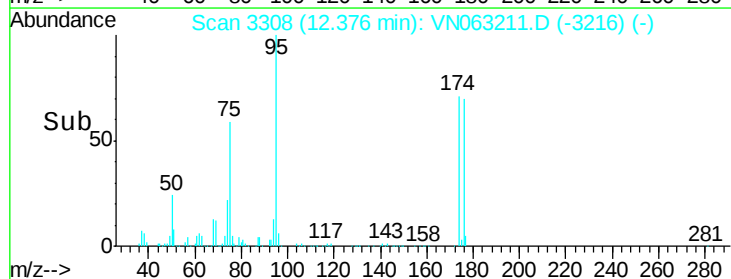
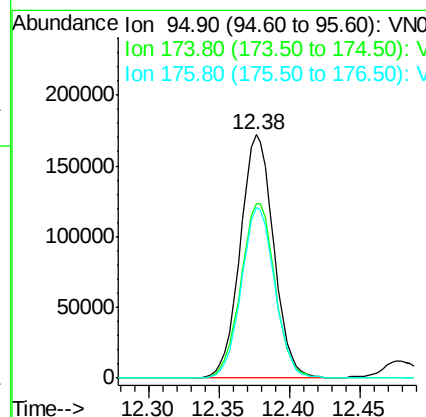
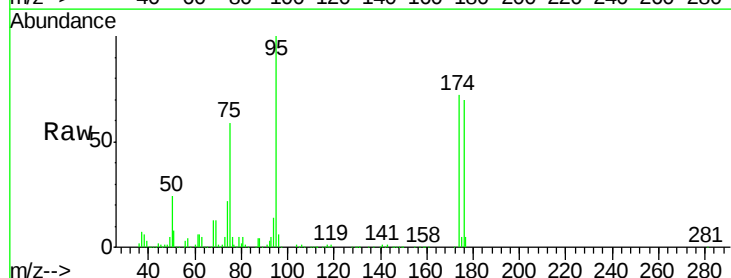
Manual Integrations
 APPROVED

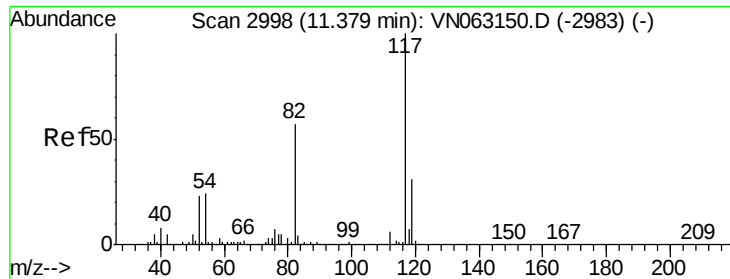
MMDadoda
 9/4/2020 11:14:24 AM



#62
 4-Bromofluorobenzene
 Concen: 48.437 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	143.8
176	70.0	0.0	138.4





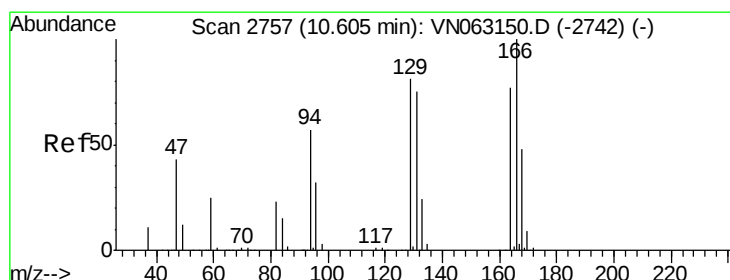
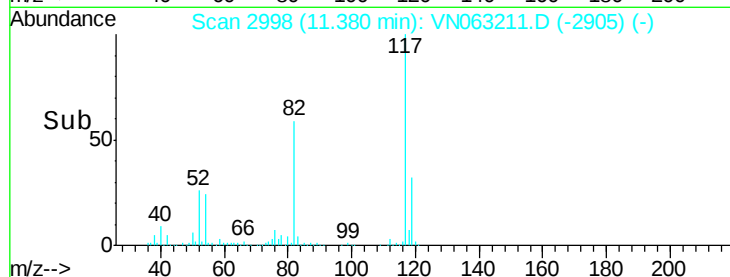
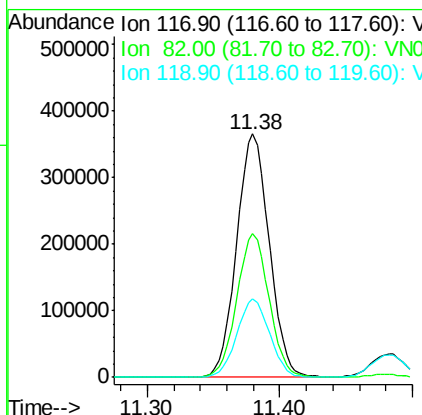
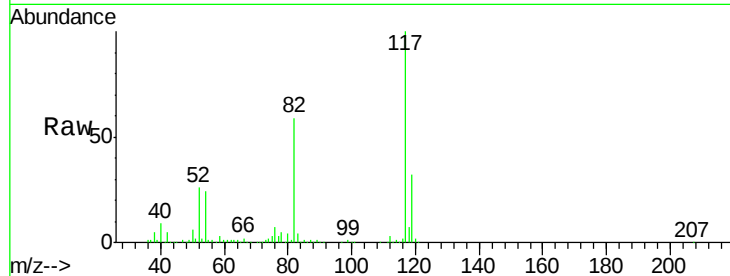
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	45.4	68.0
119	32.3	24.6	37.0

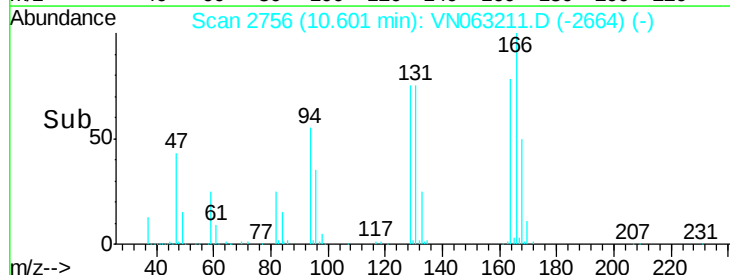
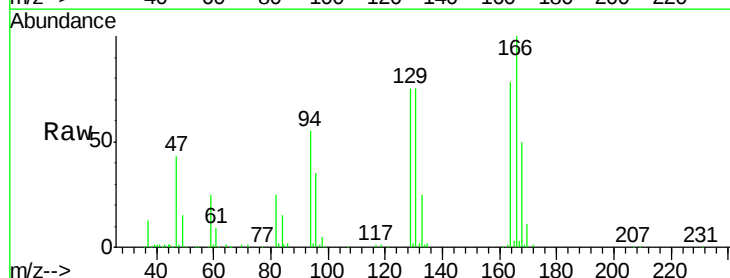
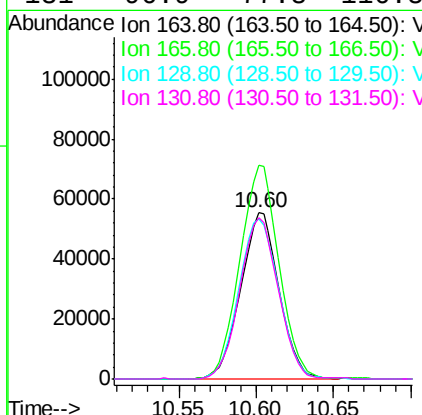
Manual Integrations
APPROVED

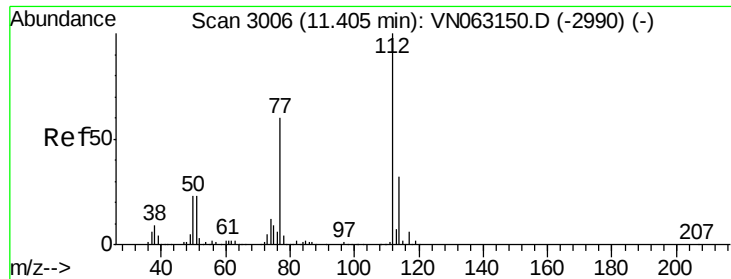
MMDadoda
9/4/2020 11:14:24 AM



#64
Tetrachloroethene
Concen: 21.242 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.4	155.2
129	96.6	83.4	125.0
131	96.9	77.8	116.8





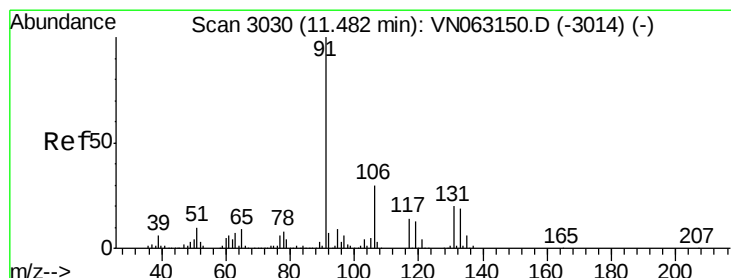
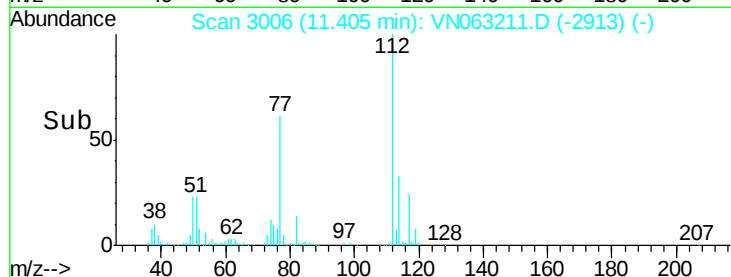
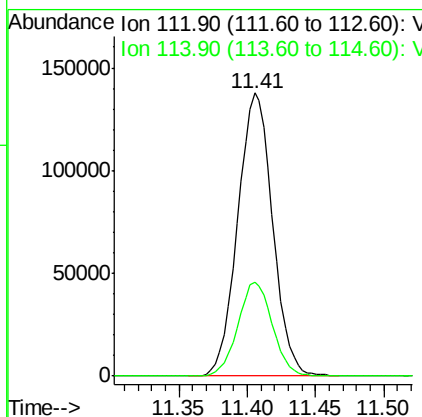
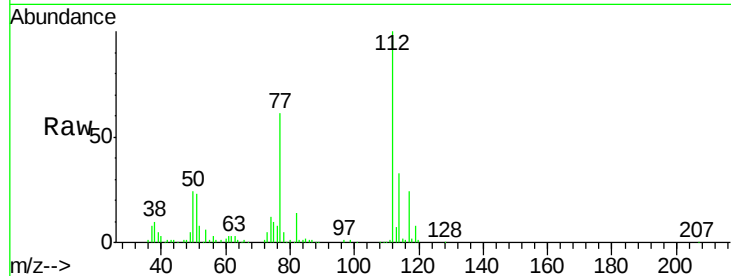
#65
Chlorobenzene
Concen: 19.363 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	244571		
114	33.3	25.2	37.8	

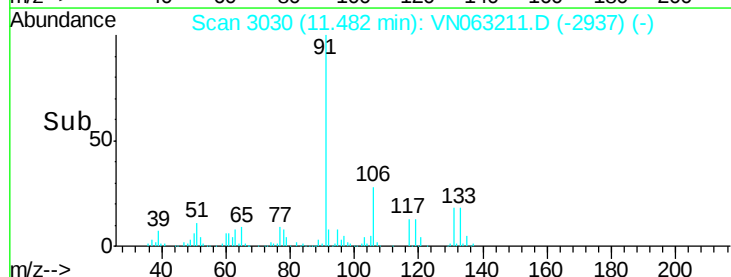
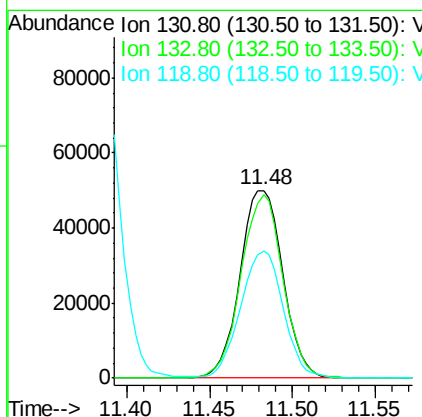
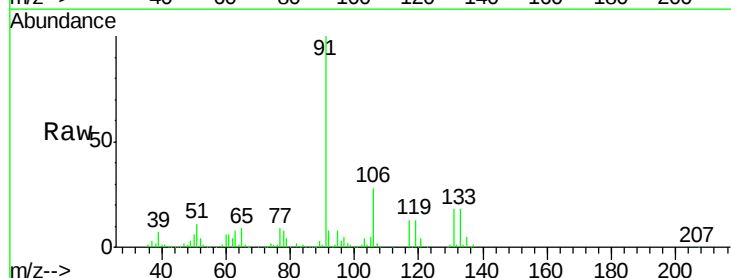
Manual Integrations
APPROVED

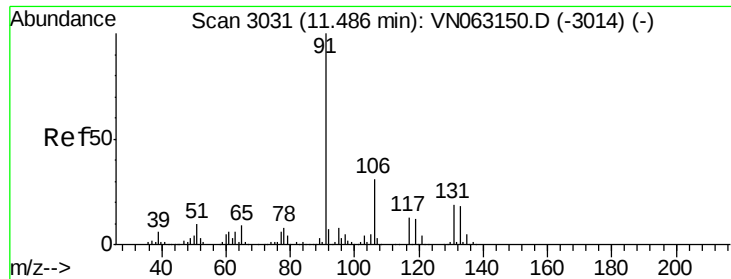
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.177 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	89928		
133	95.9	47.3	142.0	
119	67.5	32.4	97.0	





#67

Ethyl Benzene

Concen: 19.894 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 91 Resp: 458387

Ion Ratio Lower Upper

91 100

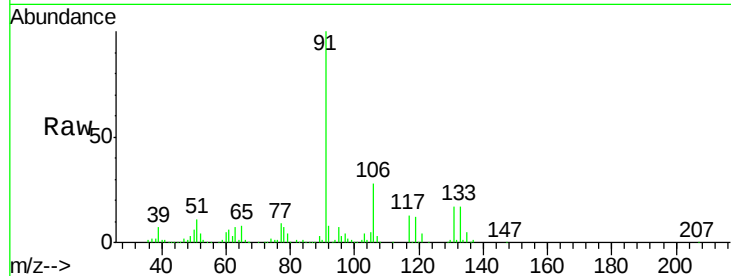
106 28.4 24.4 36.6

Manual Integrations

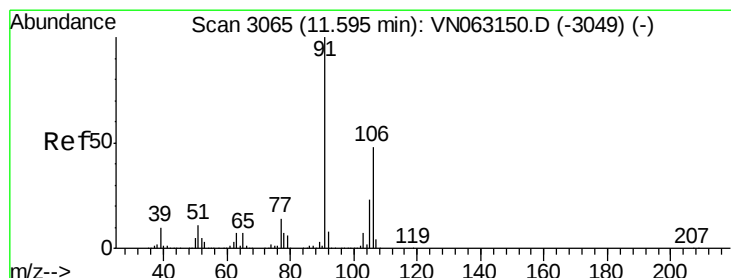
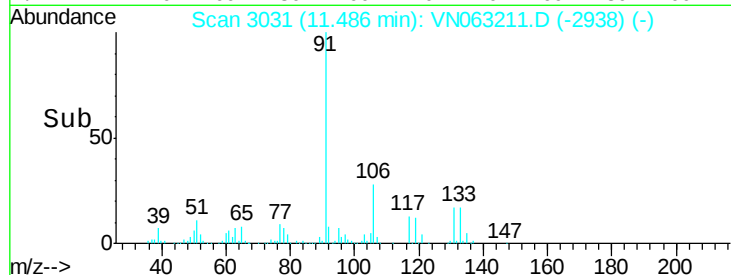
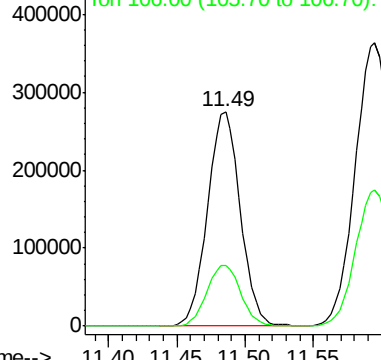
APPROVED

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9/4/2020 11:14:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063211.D (-2938) (-)



#68

m/p-Xylenes

Concen: 39.239 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063211.D

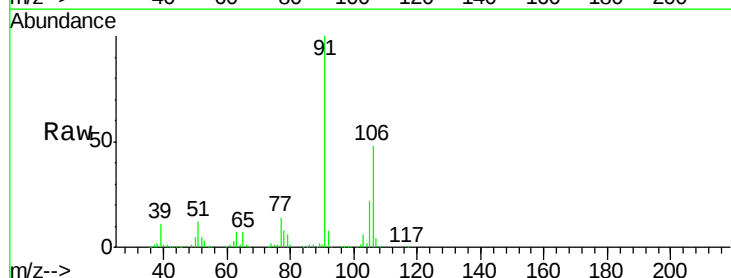
Acq: 3 Sep 2020 11:30

Tgt Ion: 106 Resp: 334869

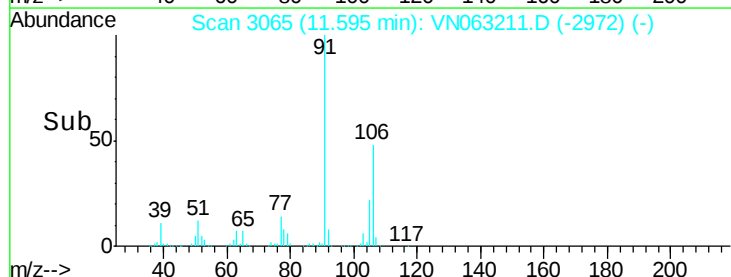
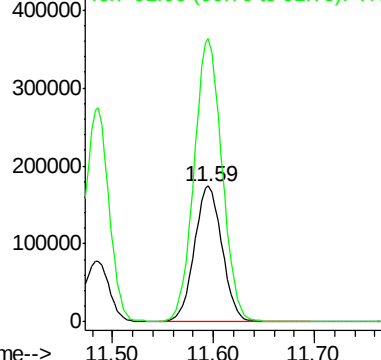
Ion Ratio Lower Upper

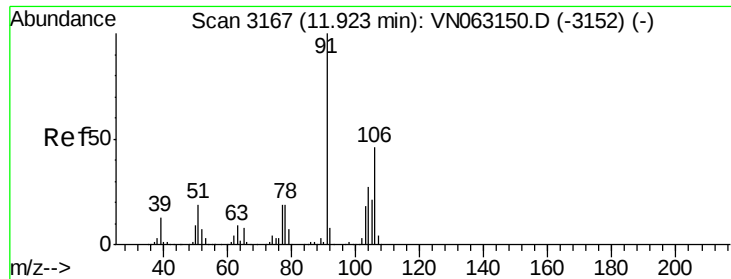
106 100

91 209.2 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): VN063211.D (-2972) (-)





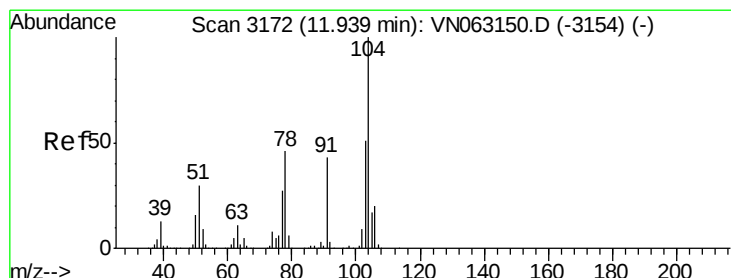
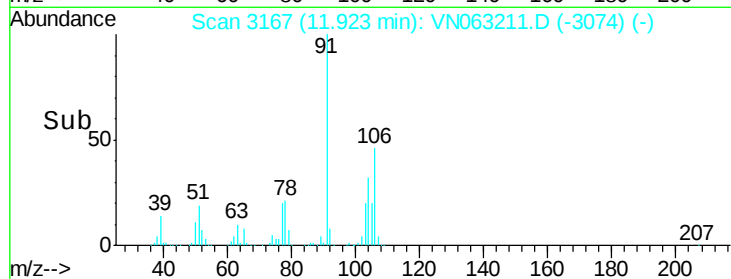
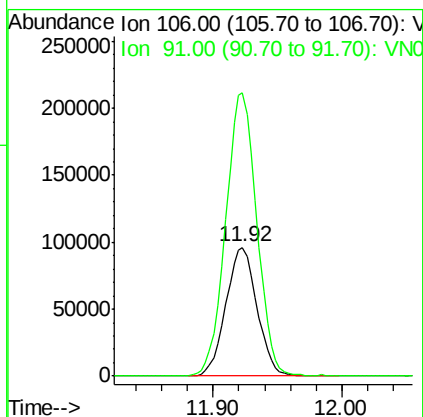
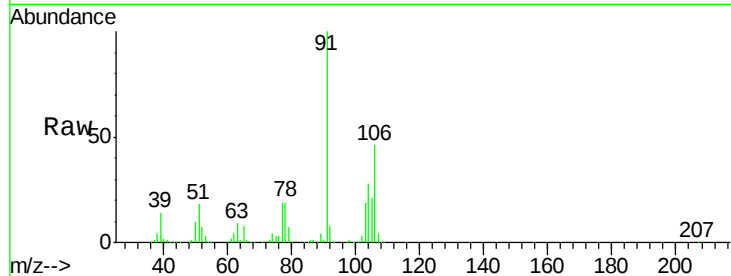
#69
o-Xylene
Concen: 19.489 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		160672		
91	220.4	108.6	325.6		

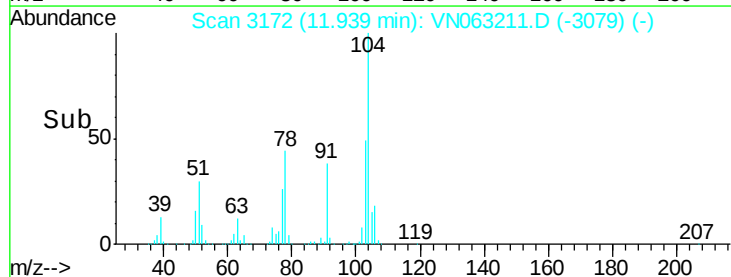
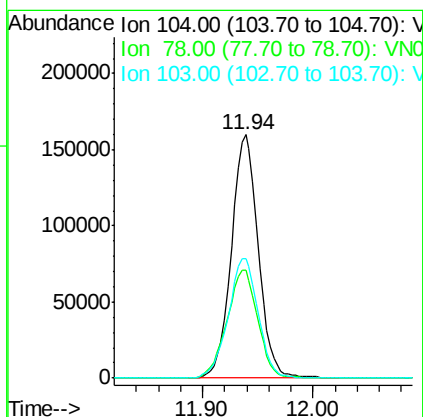
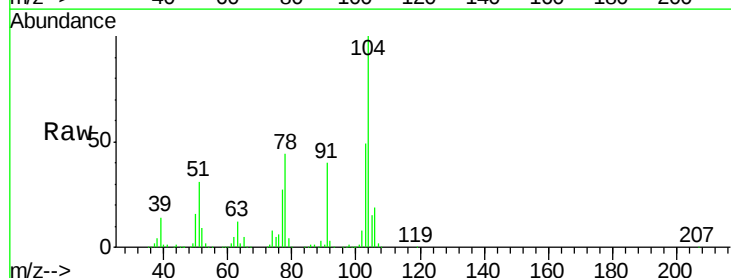
Manual Integrations
APPROVED

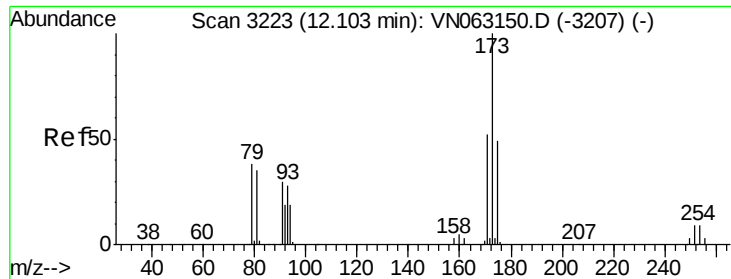
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#70
Styrene
Concen: 19.074 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		270255		
78	50.8	41.0	61.6		
103	54.9	43.8	65.8		





#71

Bromoform

Concen: 18.065 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

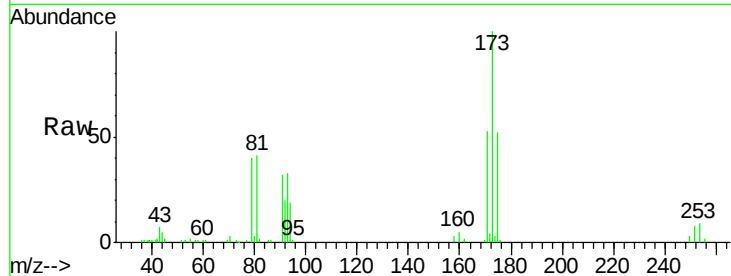
ClientSampleId :

VN0903WBS01

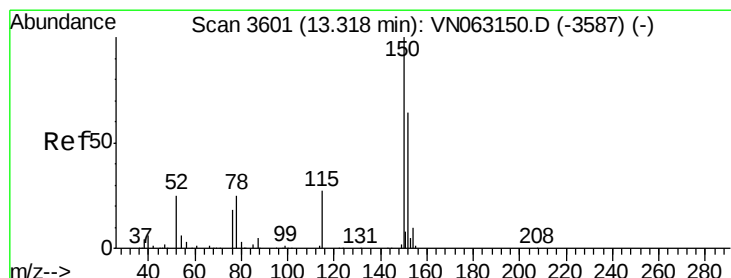
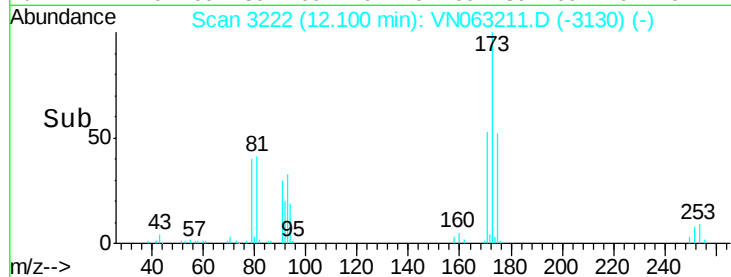
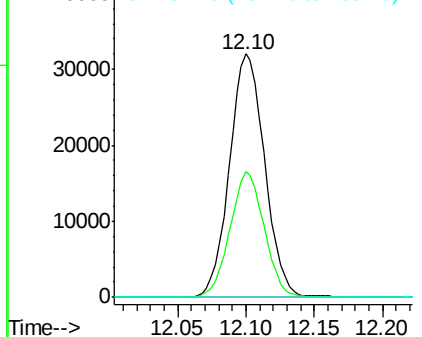
Tot Ion:	173	Resp:	57491
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.6	73.8
254	0.0	0.0	0.0

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

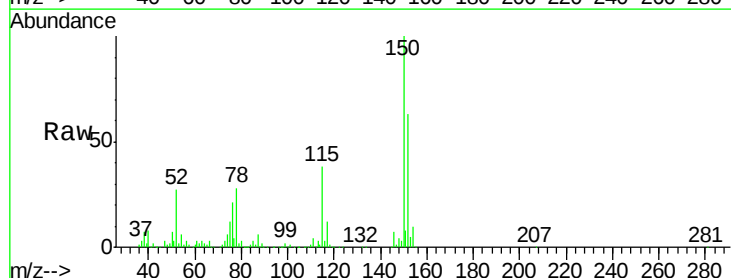
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

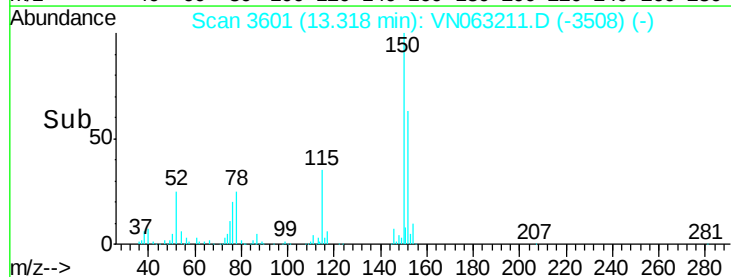
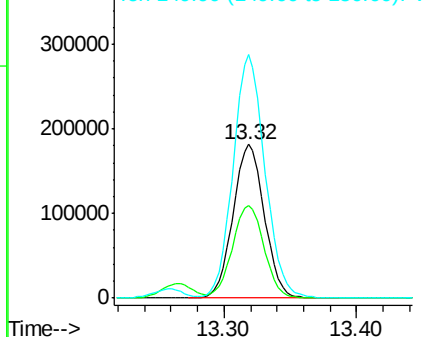
Lab File: VN063211.D

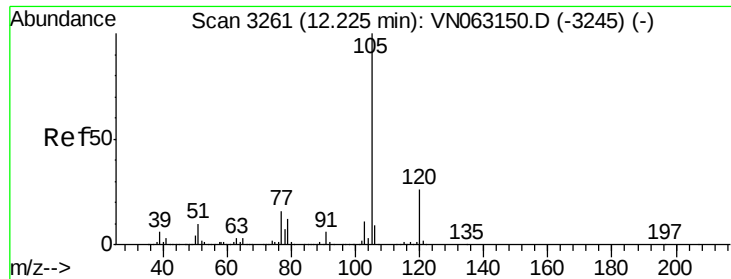
Acq: 3 Sep 2020 11:30

Tgt Ion:	152	Resp:	296485
Ion Ratio	Lower	Upper	
152	100		
115	61.1	32.0	96.2
150	160.6	0.0	353.0



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: 19.291 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 105 Resp: 438687

Ion Ratio Lower Upper

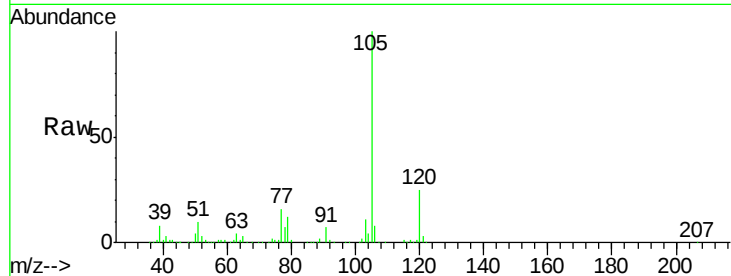
105 100

120 25.1 12.9 38.6

Manual Integrations
APPROVED

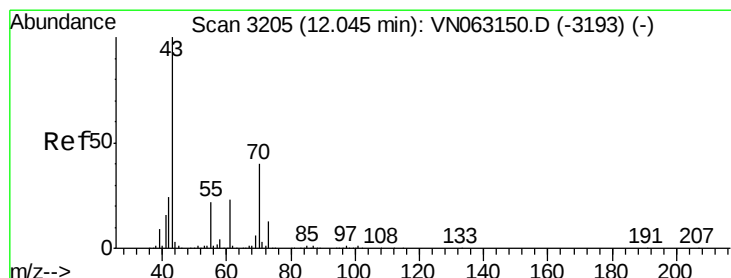
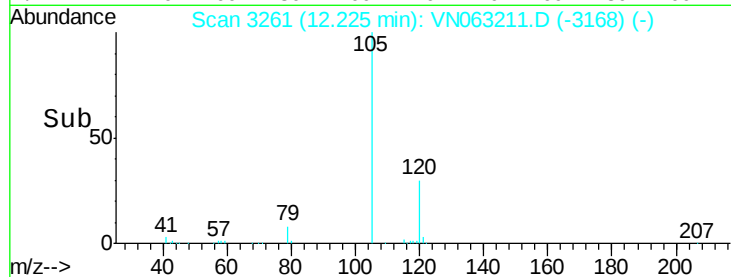
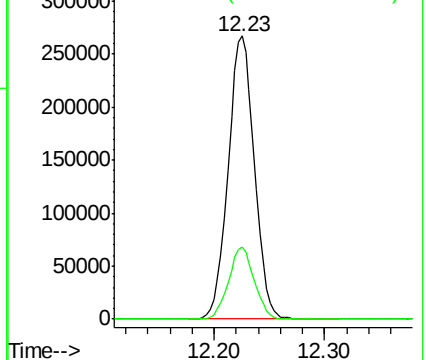
MMDadoda

9/4/2020 11:14:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.928 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion: 43 Resp: 168873

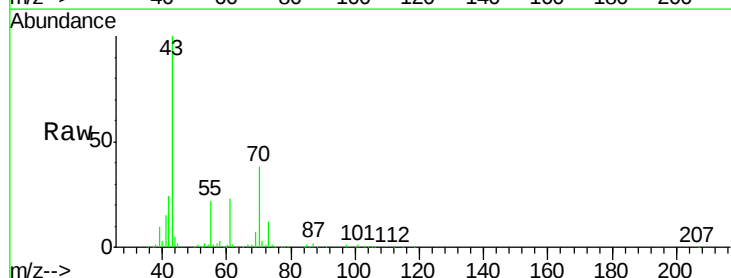
Ion Ratio Lower Upper

43 100

70 40.2 32.1 48.1

55 22.3 17.4 26.0

61 22.8 18.6 27.8

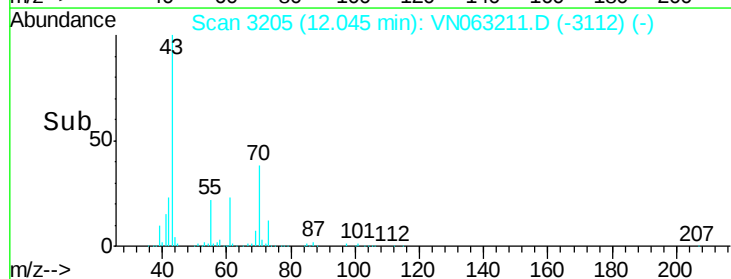
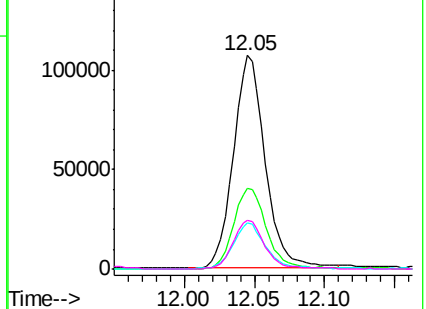


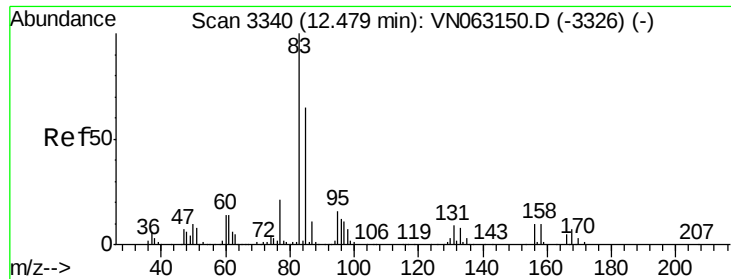
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.408 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

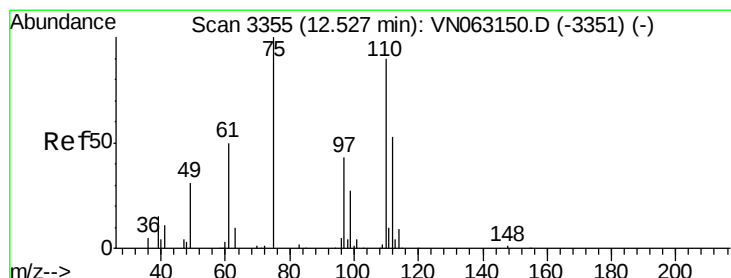
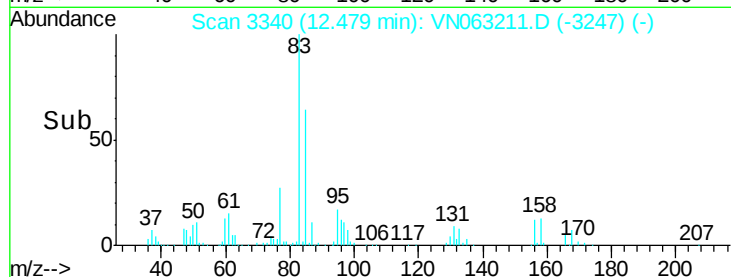
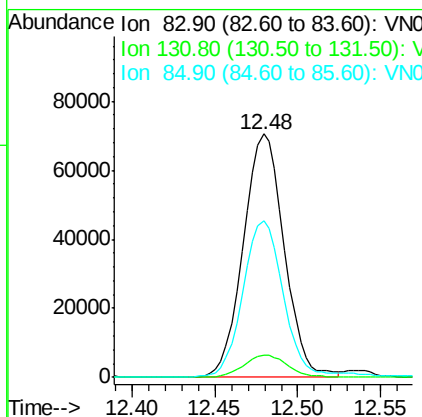
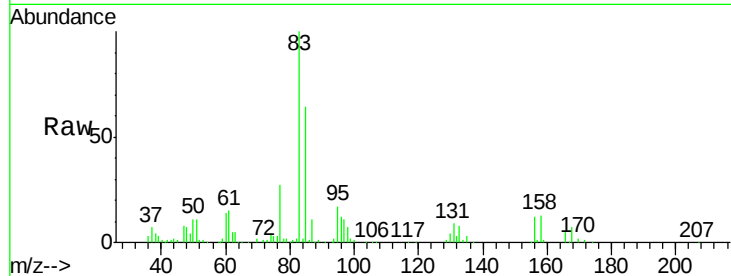
ClientSampleId :

VN0903WBS01

Tot Ion:	83	Resp:	120681
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.0
85	65.0	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.638 ug/l m

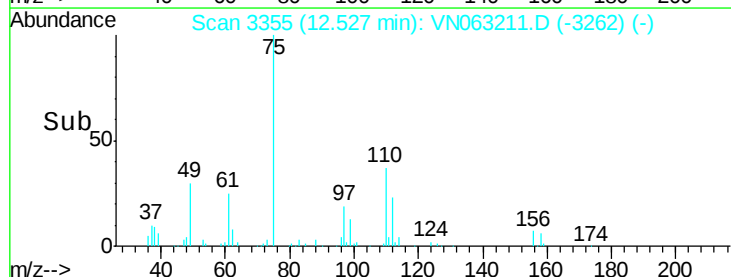
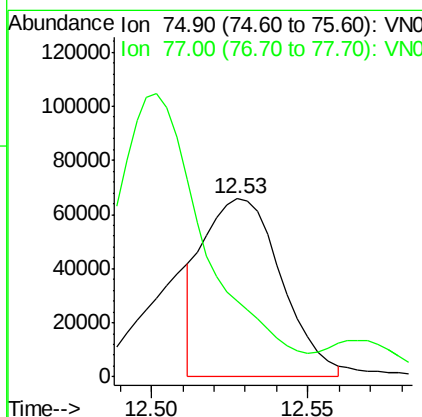
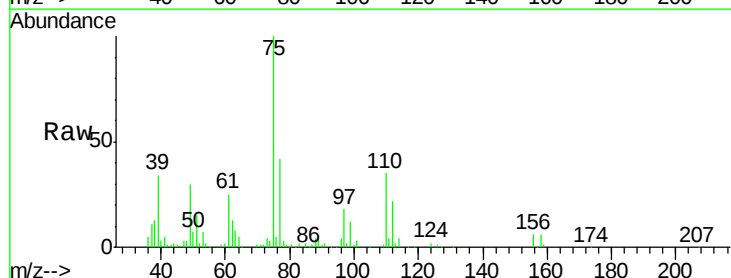
RT: 12.53 min Scan# 3355

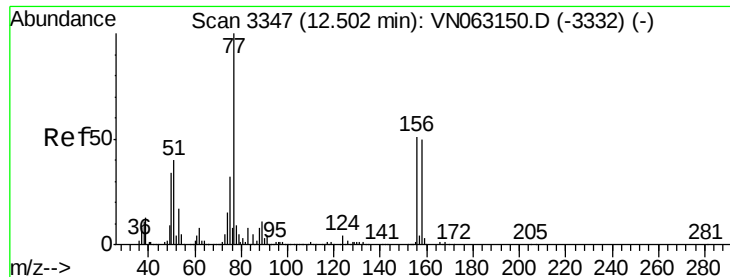
Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	75	Resp:	114397
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.735 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion:156 Resp: 96353

Ion Ratio Lower Upper

156 100

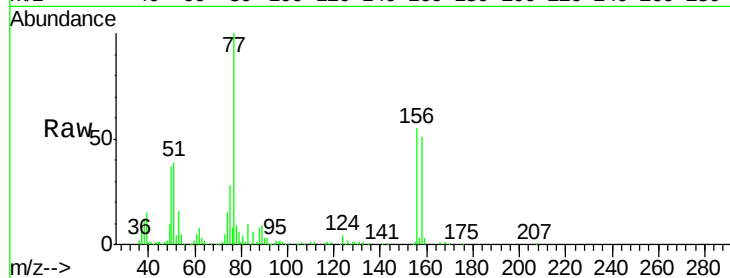
77 226.2 116.1 348.3

158 97.5 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

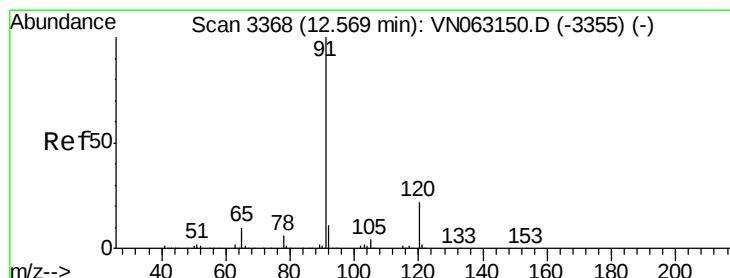
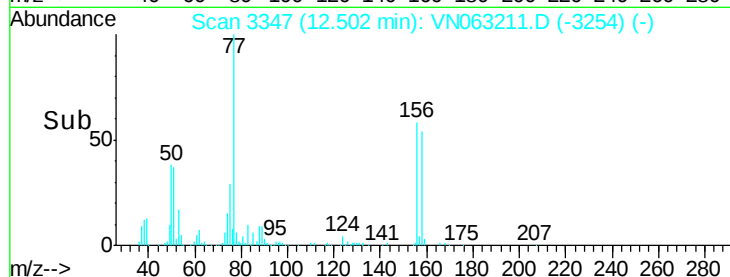
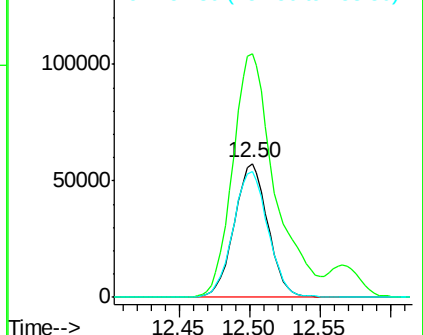
9/4/2020 11:14:24 AM



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: 19.683 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063211.D

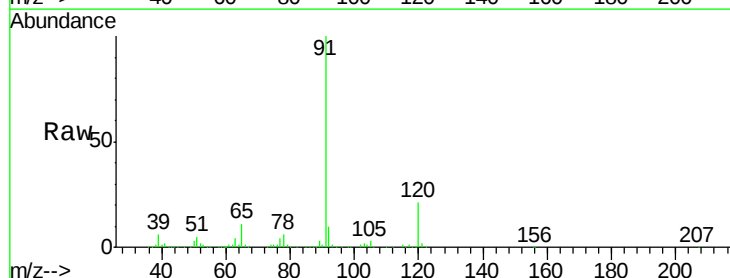
Acq: 3 Sep 2020 11:30

Tgt Ion: 91 Resp: 517935

Ion Ratio Lower Upper

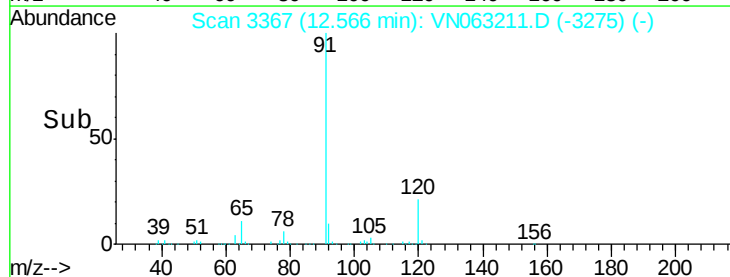
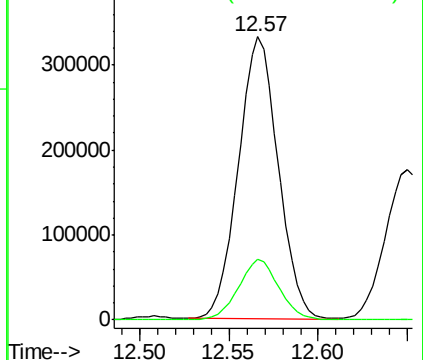
91 100

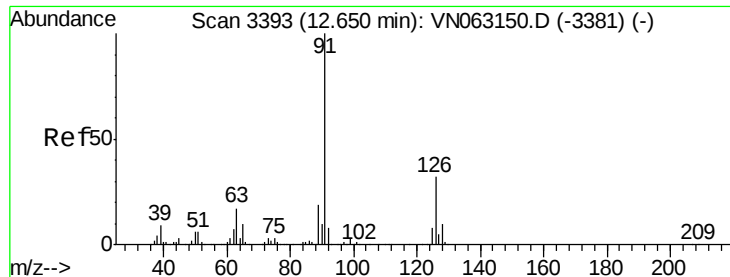
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.545 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 91 Resp: 292276

Ion Ratio Lower Upper

91 100

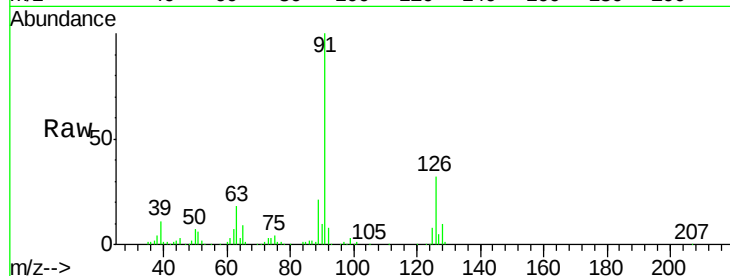
126 33.2 16.1 48.3

Manual Integrations

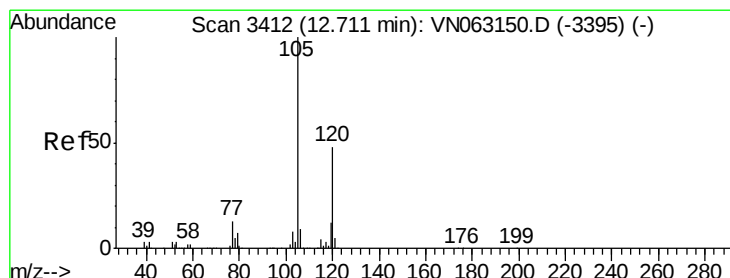
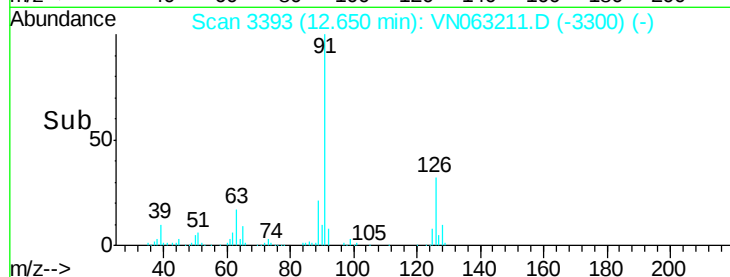
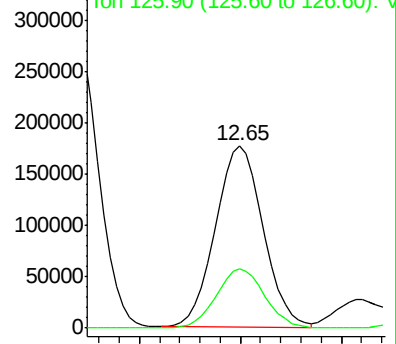
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Abundance Ion 91.00 (90.70 to 91.70): VN063211.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.526 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063211.D

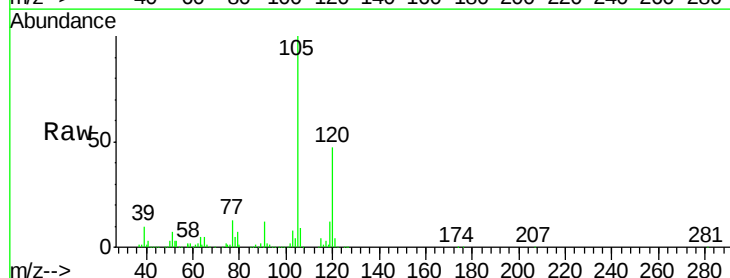
Acq: 3 Sep 2020 11:30

Tgt Ion: 105 Resp: 369592

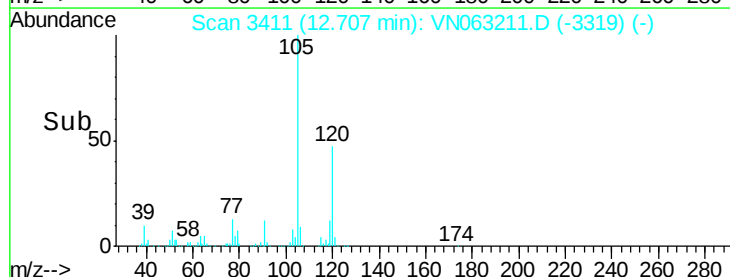
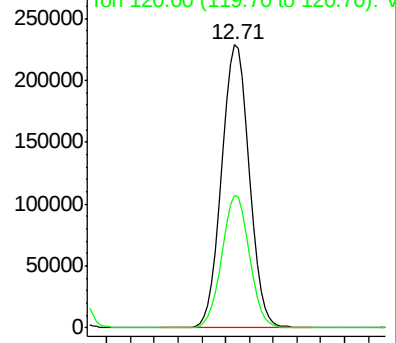
Ion Ratio Lower Upper

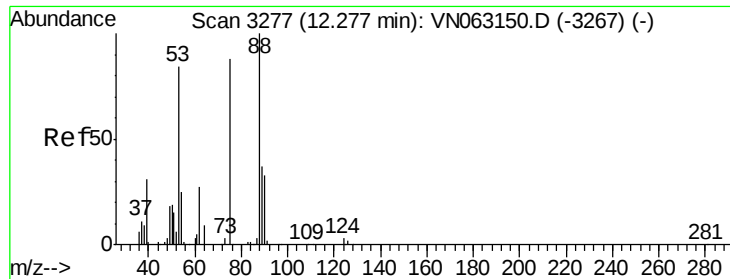
105 100

120 46.5 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063211.D (-3319) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.111 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion: 75 Resp: 38829

Ion Ratio Lower Upper

75 100

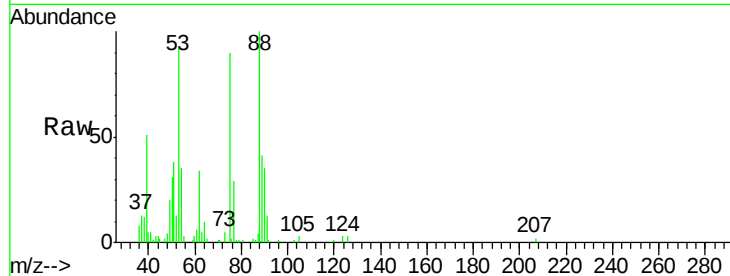
53 106.4 78.7 118.1

89 46.0 35.3 52.9

Manual Integrations
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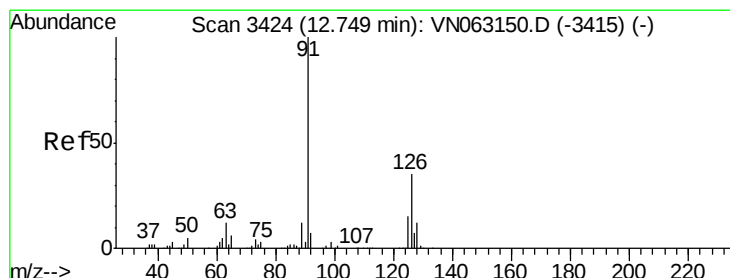
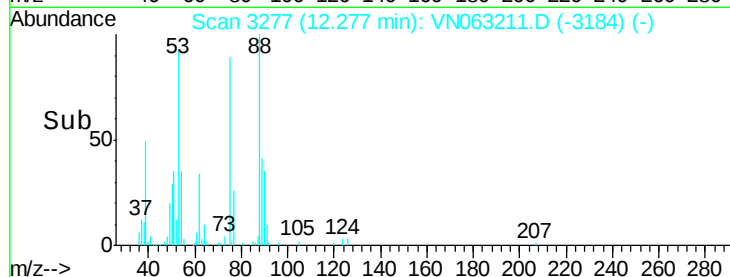
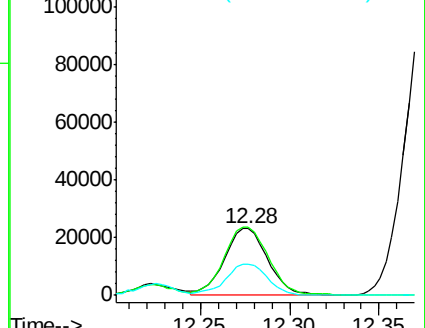
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.782 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063211.D

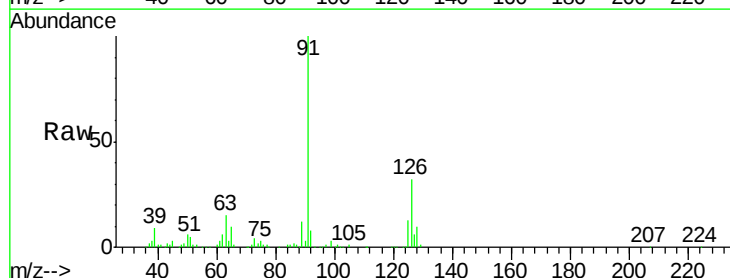
Acq: 3 Sep 2020 11:30

Tgt Ion: 91 Resp: 307013

Ion Ratio Lower Upper

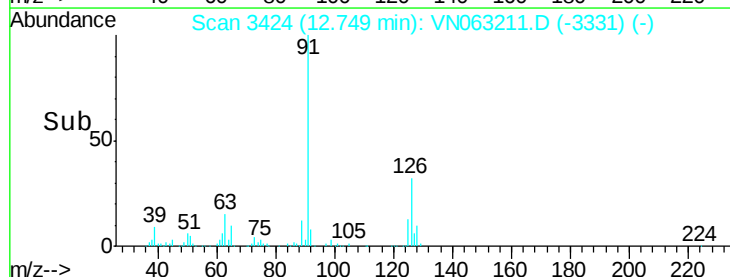
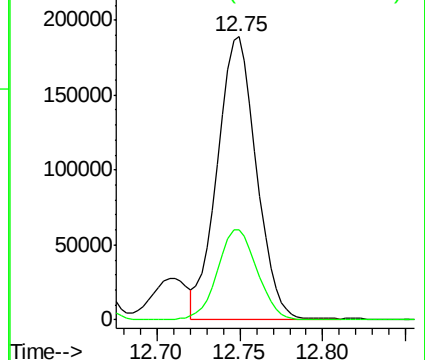
91 100

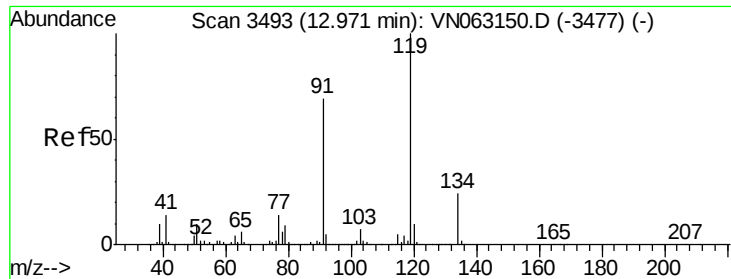
126 32.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





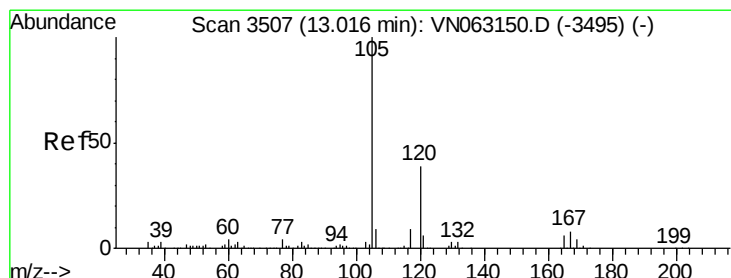
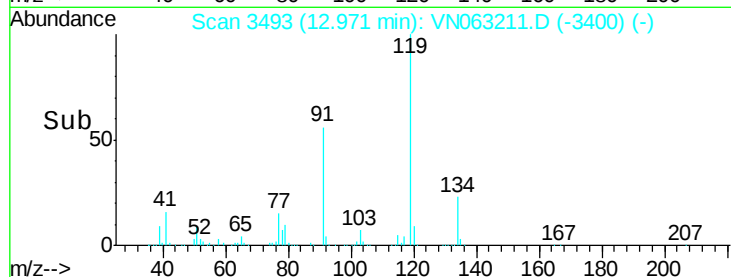
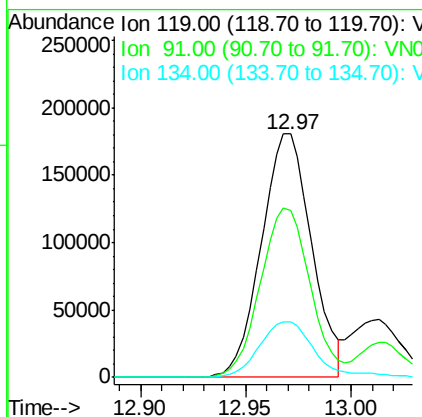
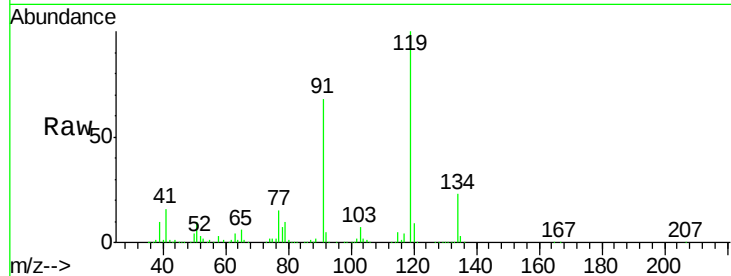
#83
 tert-Butylbenzene
 Concen: 18.417 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298960		
91	69.0	33.7	101.0	
134	25.3	12.0	36.0	

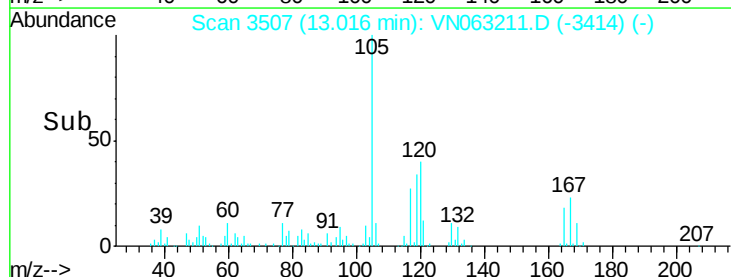
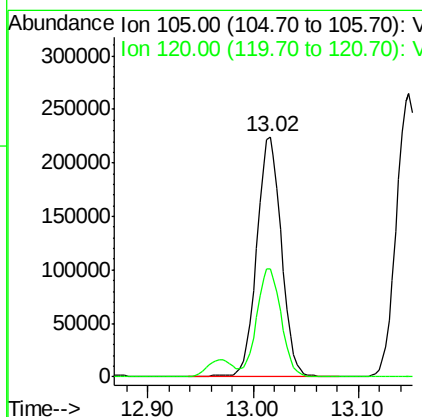
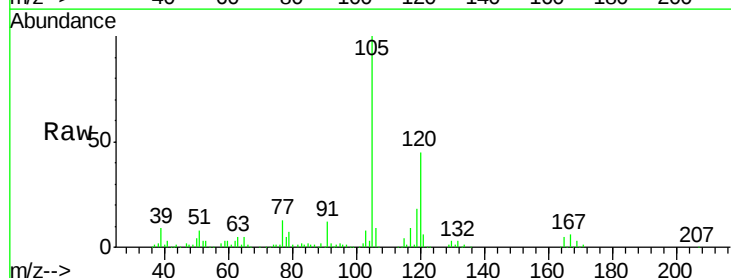
Manual Integrations
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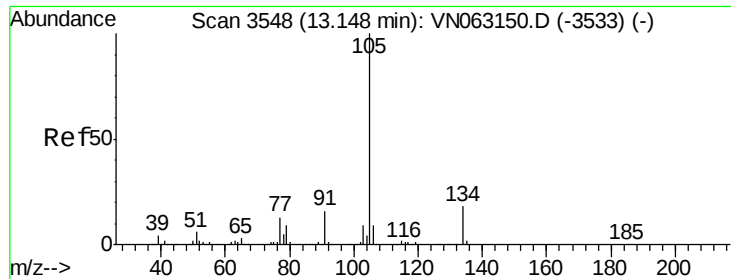
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.126 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364893		
120	44.8	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.726 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion:105 Resp: 417336

Ion Ratio Lower Upper

105 100

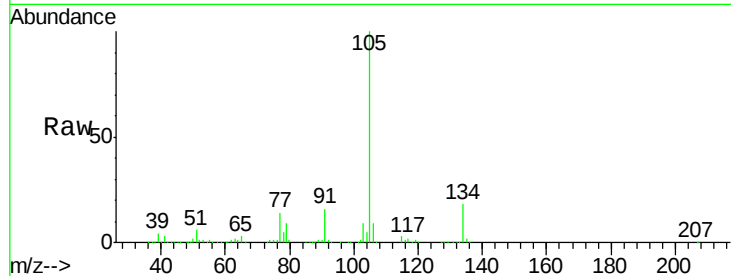
134 18.1 9.4 28.3

Manual Integrations

APPROVED

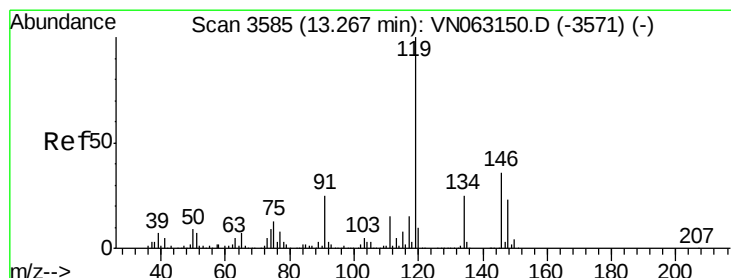
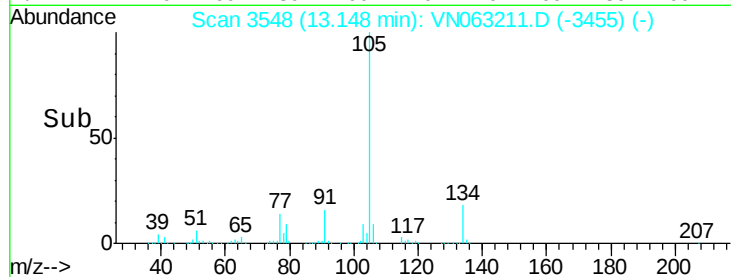
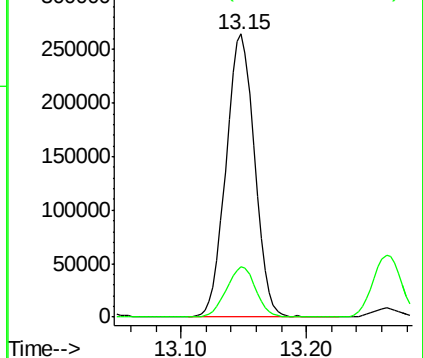
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.276 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

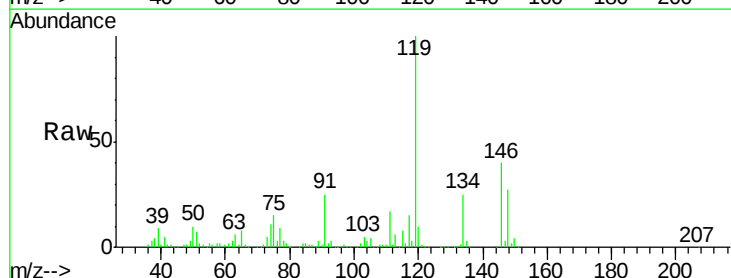
Tgt Ion:119 Resp: 362060

Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.4

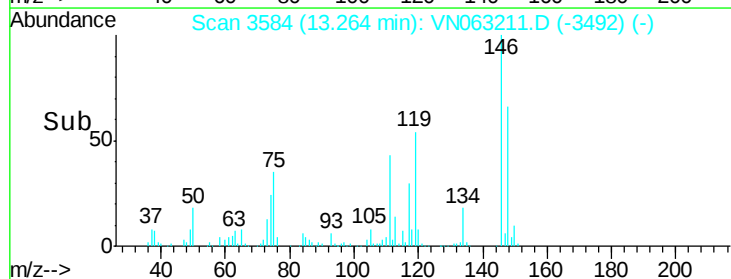
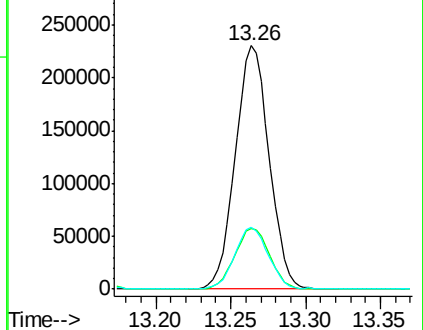
91 24.9 12.2 36.6

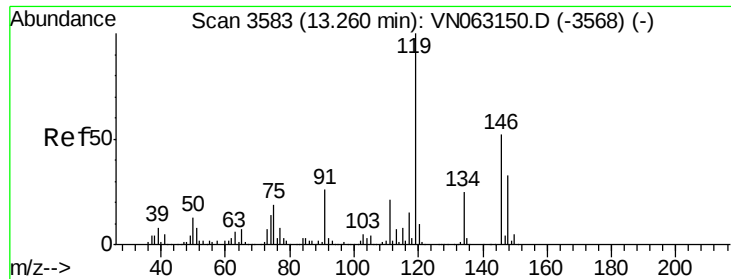


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





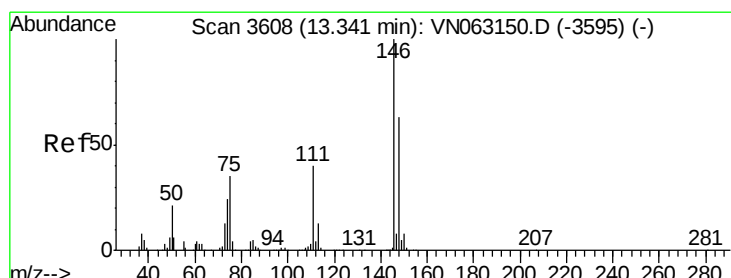
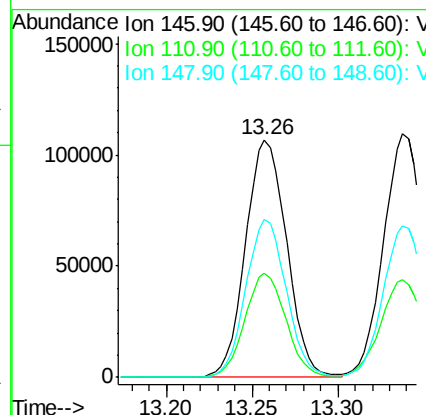
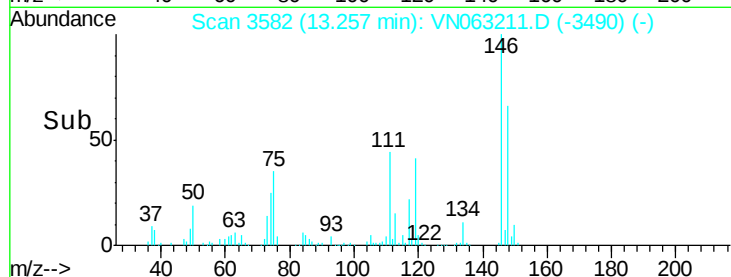
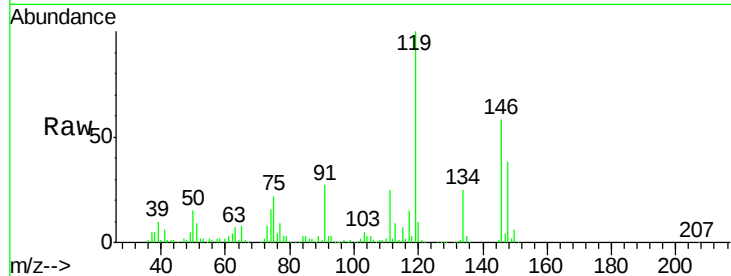
#87
 1,3-Dichlorobenzene
 Concen: 18.810 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	65.5	31.9	95.9

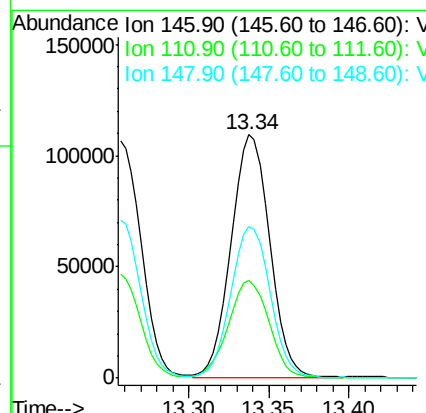
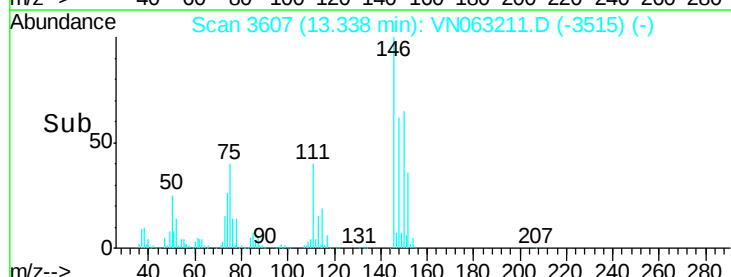
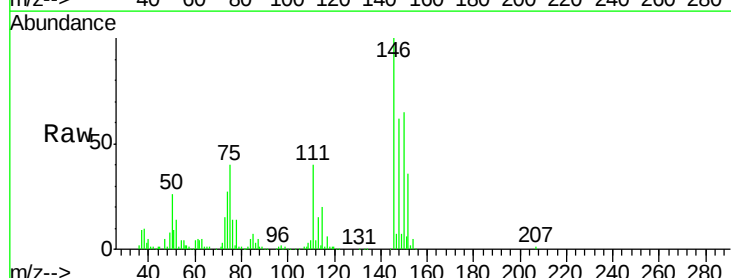
Manual Integrations
 APPROVED

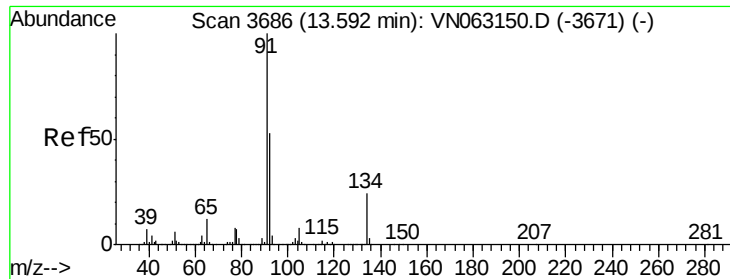
MMDadoda
 9/4/2020 11:14:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.392 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.5	61.5
148	63.8	31.9	95.7





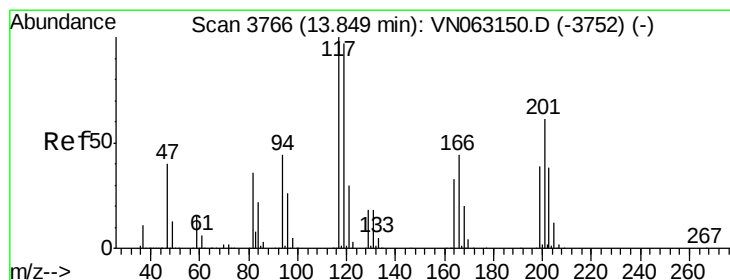
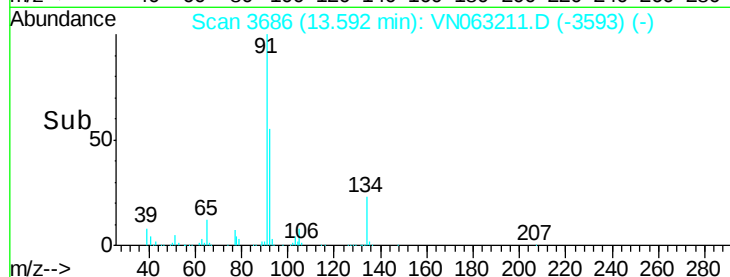
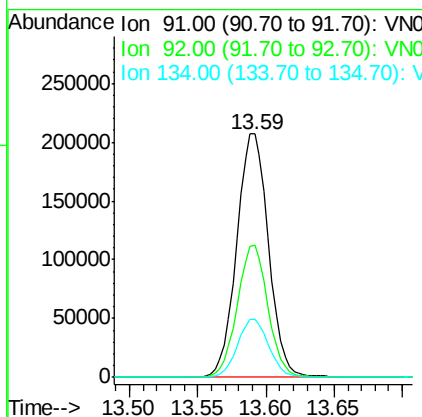
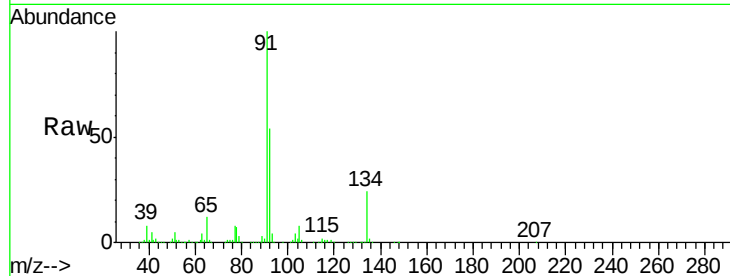
#89
n-Butylbenzene
Concen: 19.321 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	23.5	12.0	36.0

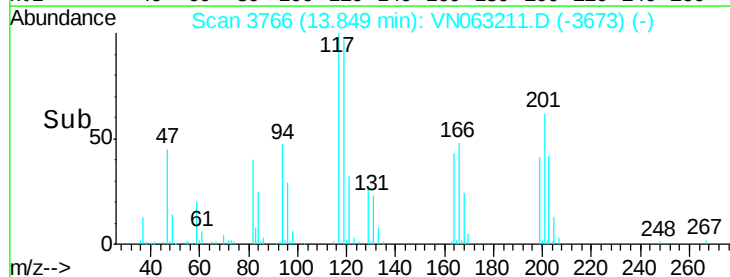
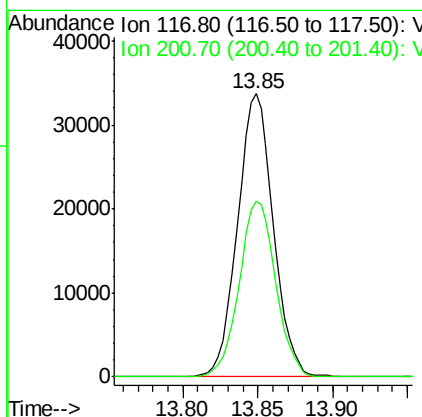
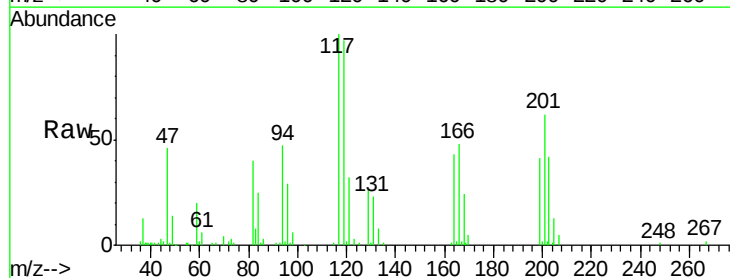
Manual Integrations
APPROVED

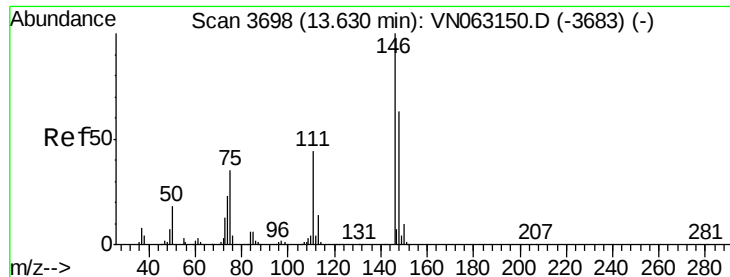
MMDadoda
9/4/2020 11:14:24 AM



#90
Hexachloroethane
Concen: 16.130 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063211.D
Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.2	30.6	92.0





#91

1,2-Dichlorobenzene

Concen: 19.683 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

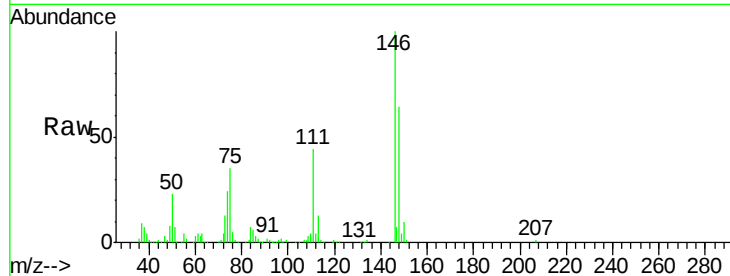
ClientSampled :

VN0903WBS01

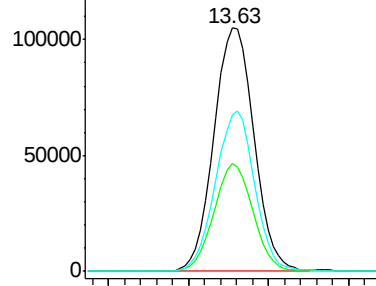
Tot Ion:	146	Resp:	180458
Ion Ratio	Lower	Upper	
146	100		
111	42.6	22.0	66.0
148	64.2	31.6	95.0

Manual Integrations
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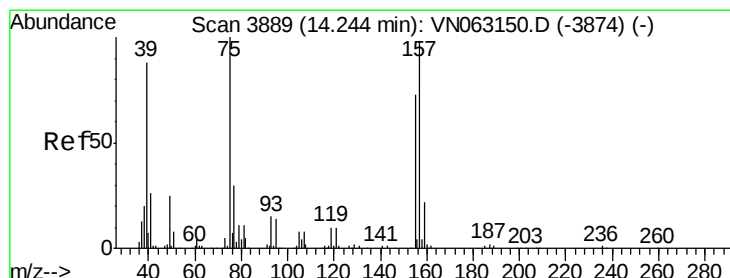
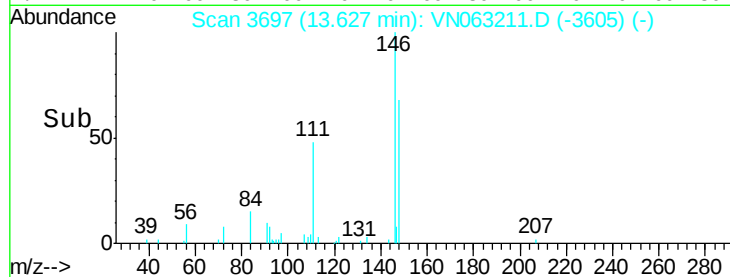
MMDadoda
9/4/2020 11:14:24 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.669 ug/l

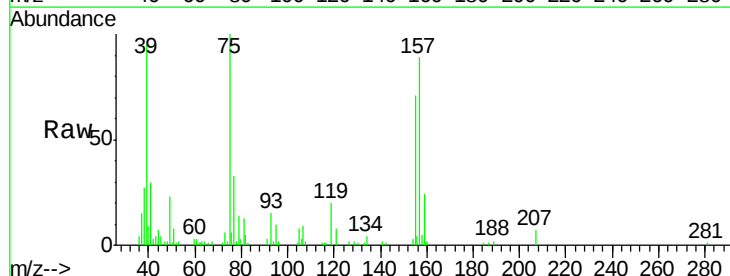
RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

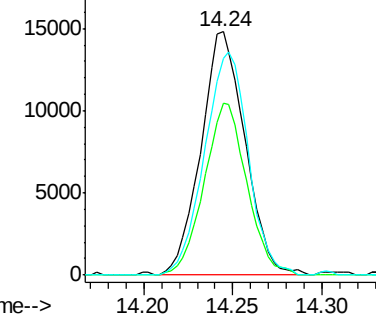
Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

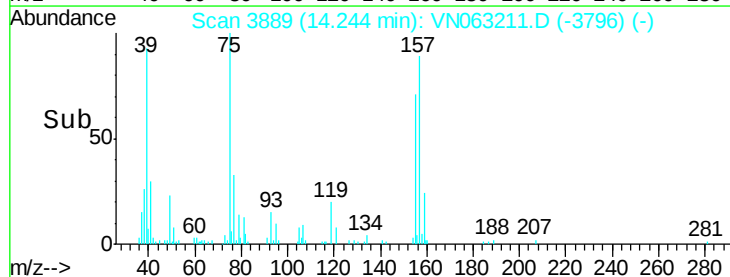
Tgt Ion:	75	Resp:	25468
Ion Ratio	Lower	Upper	
75	100		
155	68.2	36.1	108.5
157	90.8	48.4	145.0

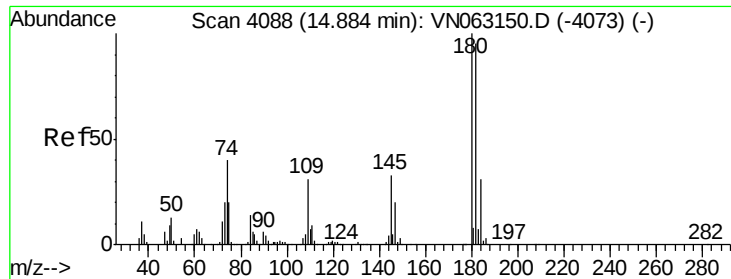


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time-->





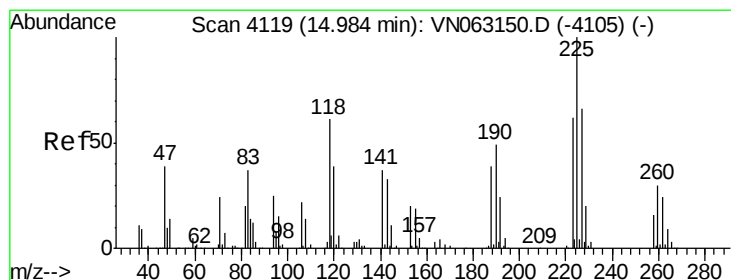
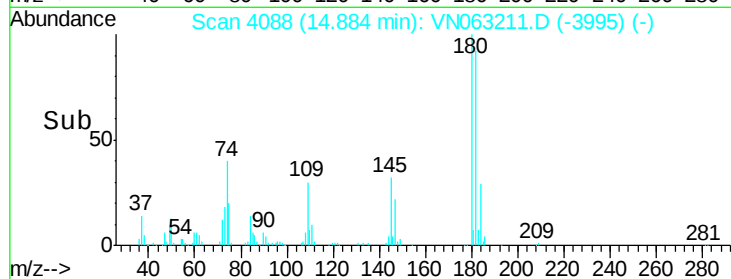
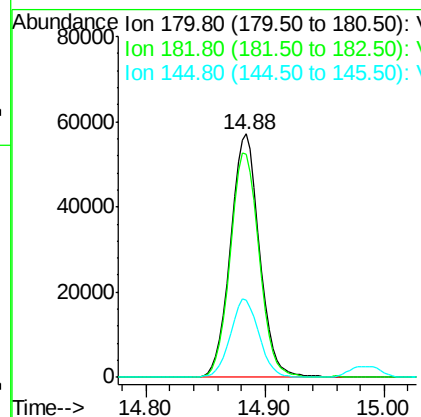
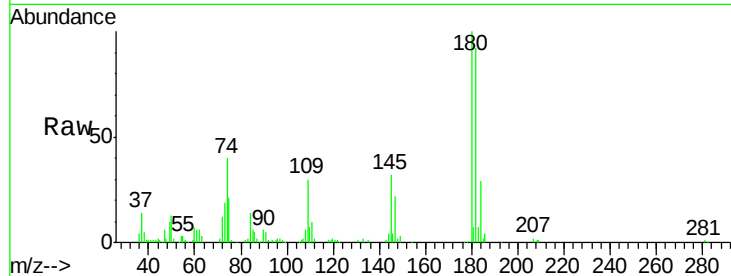
#93
 1,2,4-Trichlorobenzene
 Concen: 18.823 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96413		
182	92.3	47.5	142.5	
145	31.8	16.6	49.8	

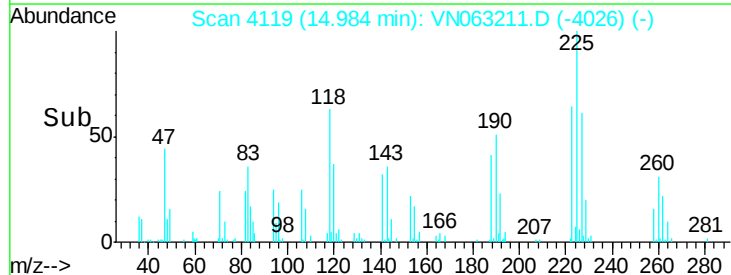
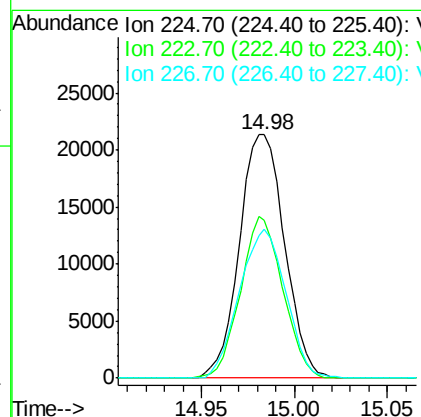
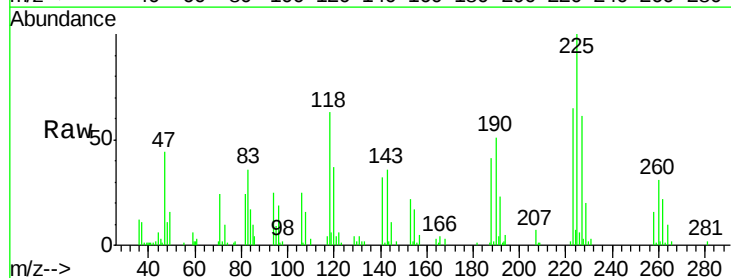
Manual Integrations
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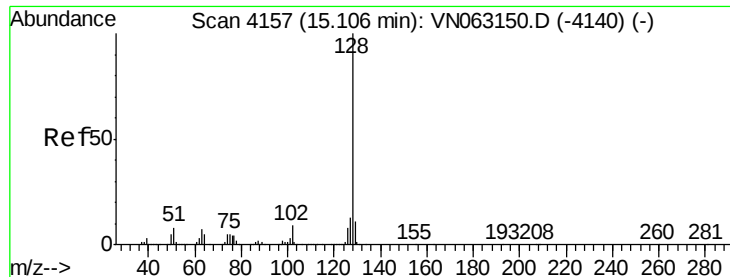
MMDadoda
 9/4/2020 11:14:24 AM



#94
 Hexachlorobutadiene
 Concen: 18.863 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063211.D
 Acq: 3 Sep 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36094		
223	61.9	30.9	92.7	
227	62.9	32.9	98.7	





#95

Naphthalene

Concen: 16.981 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Instrument :

MSVOA_N

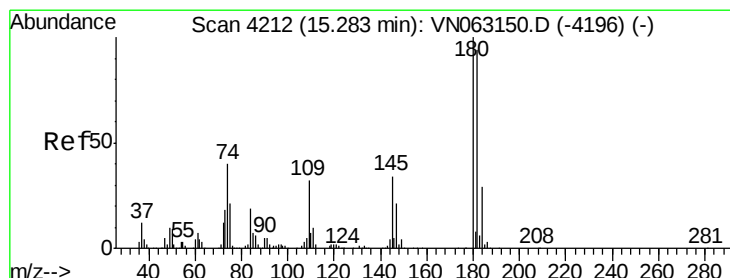
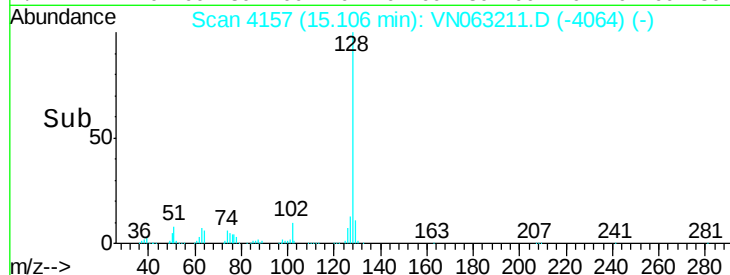
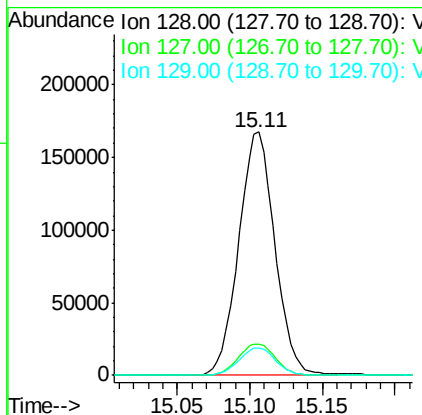
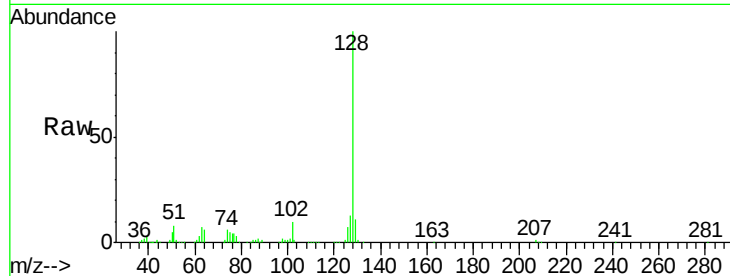
ClientSampled :

VN0903WBS01

Tot Ion:	128	Resp:	290198
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/4/2020 11:14:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.651 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063211.D

Acq: 3 Sep 2020 11:30

Tgt Ion:	180	Resp:	93077
Ion Ratio	Lower	Upper	
180	100		
182	91.4	47.5	142.5
145	32.9	17.3	52.0

