

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063611.D
 Acq On : 24 Sep 2020 1:17
 Operator : JC/MD
 Sample : VN0923WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:38:24 PM

Quant Time: Sep 24 05:25:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	386465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	202040	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.55	113	145305	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.06	98	538532	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	197723	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49798	18.586	ug/l	98
3) Chloromethane	2.04	50	61519	17.356	ug/l	99
4) Vinyl Chloride	2.17	62	61271	19.511	ug/l	95
5) Bromomethane	2.54	94	39888	21.393	ug/l	98
6) Chloroethane	2.68	64	38473	19.958	ug/l	89
7) Trichlorofluoromethane	2.99	101	97685	20.849	ug/l	98
8) Diethyl Ether	3.38	74	35636	19.511	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51277	19.460	ug/l	97
10) Methyl Iodide	3.91	142	61899	18.044	ug/l	98
11) Tert butyl alcohol	4.73	59	48459	86.887	ug/l	98
12) 1,1-Dichloroethene	3.70	96	50862	19.058	ug/l	96
13) Acrolein	3.57	56	15843	76.653	ug/l	95
14) Allyl chloride	4.28	41	92712	17.562	ug/l	98
15) Acrylonitrile	4.93	53	140491	99.031	ug/l	98
16) Acetone	3.78	43	123569	95.505	ug/l	100
17) Carbon Disulfide	4.01	76	135124	17.406	ug/l	100
18) Methyl Acetate	4.28	43	68064	20.722	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	186537	18.753	ug/l	100
20) Methylene Chloride	4.51	84	62666	19.117	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	55052	18.618	ug/l	96
22) Diisopropyl ether	5.90	45	209900	19.496	ug/l	98
23) Vinyl Acetate	5.85	43	836485	94.601	ug/l	99
24) 1,1-Dichloroethane	5.80	63	114306	19.446	ug/l	98
25) 2-Butanone	6.79	43	193041	97.010	ug/l	99
26) 2,2-Dichloropropane	6.77	77	74205	14.338	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	67092	20.046	ug/l	96
28) Bromochloromethane	7.15	49	48279	17.788	ug/l	94
29) Tetrahydrofuran	7.17	42	125854	92.604	ug/l	97
30) Chloroform	7.33	83	118287	20.057	ug/l	99
31) Cyclohexane	7.61	56	94006	16.907	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	102104	19.466	ug/l	99
36) 1,1-Dichloropropene	7.76	75	82057	18.377	ug/l	98
37) Ethyl Acetate	6.88	43	85701	19.556	ug/l	100
38) Carbon Tetrachloride	7.74	117	88433	19.402	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79574	16.420	ug/l	95
40) Benzene	8.00	78	245150	19.233	ug/l	100
41) Methacrylonitrile	7.14	41	36799m	18.670	ug/l	
42) 1,2-Dichloroethane	8.09	62	101670	19.835	ug/l	98
43) Isopropyl Acetate	8.13	43	140154	17.886	ug/l	100
44) Trichloroethene	8.80	130	60700	19.634	ug/l	98
45) 1,2-Dichloropropane	9.08	63	69285	19.958	ug/l	98
46) Dibromomethane	9.18	93	46266	20.277	ug/l	96
47) Bromodichloromethane	9.37	83	91495	19.302	ug/l	97
48) Methyl methacrylate	9.17	41	69892	18.154	ug/l	97
49) 1,4-Dioxane	9.17	88	19667	355.976	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	430536	98.142	ug/l	99
52) Toluene	10.13	92	153337	20.009	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	94561	17.869	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	101956	18.266	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	62215	20.439	ug/l	96
56) Ethyl methacrylate	10.40	69	88873	18.702	ug/l	98
57) 1,3-Dichloropropane	10.68	76	107981	19.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	238248	95.575	ug/l	98
59) 2-Hexanone	10.72	43	309755	97.463	ug/l	99
60) Dibromochloromethane	10.87	129	67077	19.506	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62255	19.686	ug/l	97
64) Tetrachloroethene	10.60	164	56601	21.509	ug/l	99
65) Chlorobenzene	11.41	112	158931	19.373	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60470	20.109	ug/l	99
67) Ethyl Benzene	11.49	91	288726	18.689	ug/l	99
68) m/p-Xylenes	11.59	106	212072	38.073	ug/l	99
69) o-Xylene	11.92	106	102777	19.370	ug/l	99
70) Styrene	11.94	104	172956	19.437	ug/l	99
71) Bromoform	12.10	173	42703	19.062	ug/l #	98
73) Isopropylbenzene	12.23	105	276860	18.929	ug/l	100
74) N-amyl acetate	12.05	43	123059	17.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90171	19.911	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84939m	18.802	ug/l	
77) Bromobenzene	12.50	156	66233	20.132	ug/l	96
78) n-propylbenzene	12.57	91	323278	18.977	ug/l	99
79) 2-Chlorotoluene	12.65	91	193741	18.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	234905	19.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	25405	15.418	ug/l	92
82) 4-Chlorotoluene	12.75	91	203976	18.905	ug/l	100
83) tert-Butylbenzene	12.97	119	189900	18.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	236689	19.213	ug/l	100
85) sec-Butylbenzene	13.15	105	248209	18.421	ug/l	100
86) p-Isopropyltoluene	13.26	119	212888	17.913	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119357	19.573	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	119868	19.334	ug/l	99
89) n-Butylbenzene	13.59	91	189195	17.271	ug/l	99
90) Hexachloroethane	13.85	117	39359	17.393	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	117431	19.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19465	18.050	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61754	17.497	ug/l	99
94) Hexachlorobutadiene	14.98	225	28719	19.655	ug/l	97
95) Naphthalene	15.11	128	202664	17.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	61185	17.942	ug/l	96

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

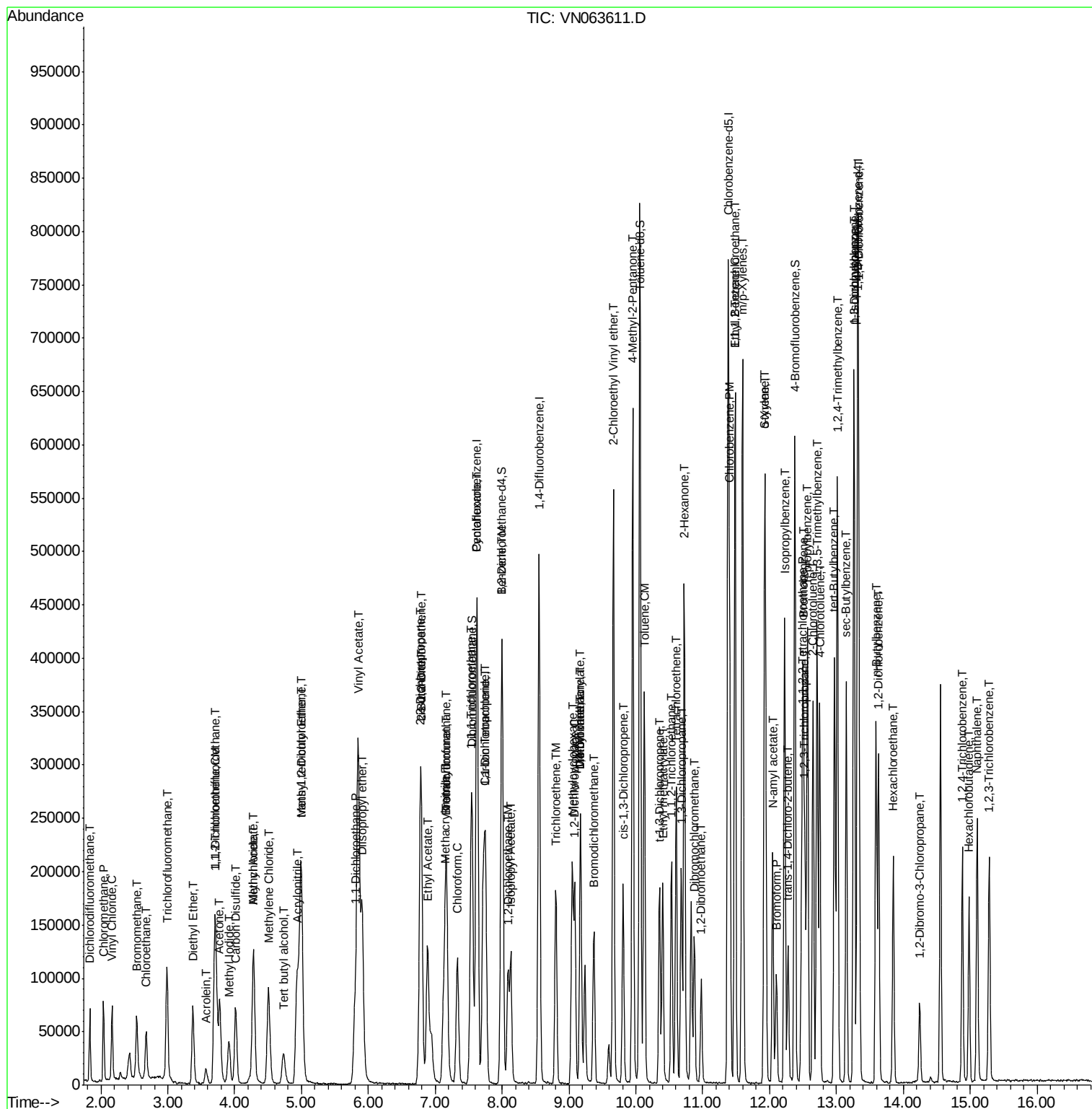
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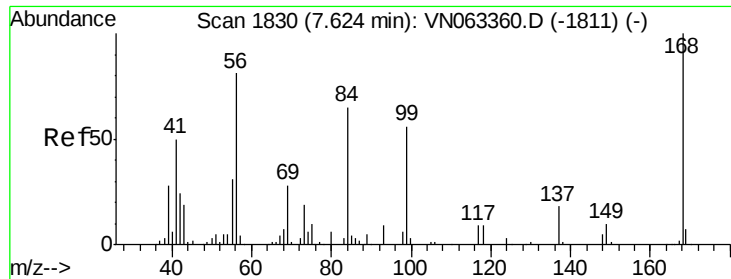
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:168 Resp: 236500

Ion Ratio Lower Upper

168 100

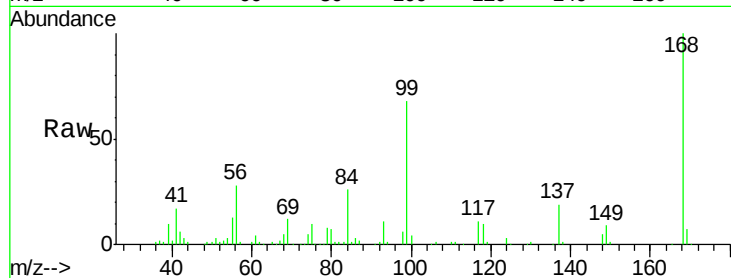
99 67.3 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

60000

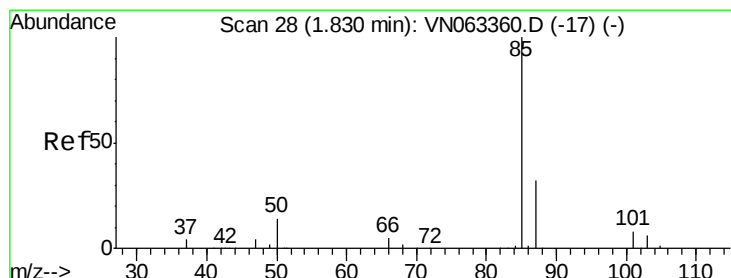
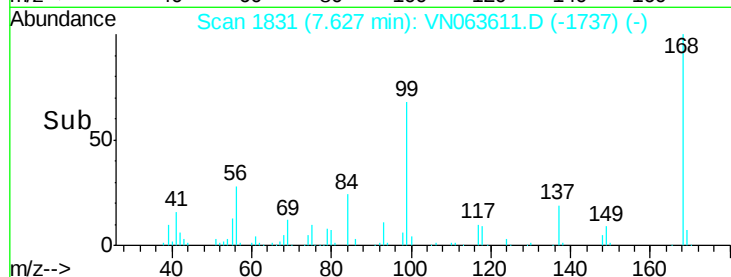
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.586 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063611.D

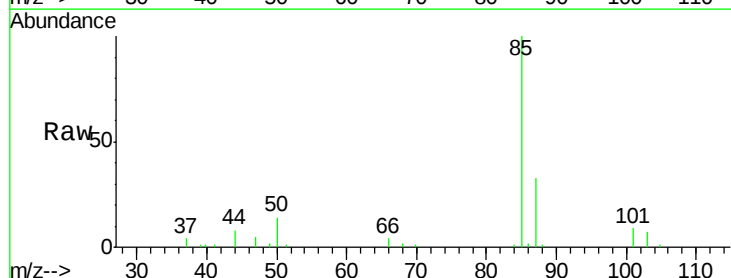
Acq: 24 Sep 2020 1:17

Tgt Ion: 85 Resp: 49798

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

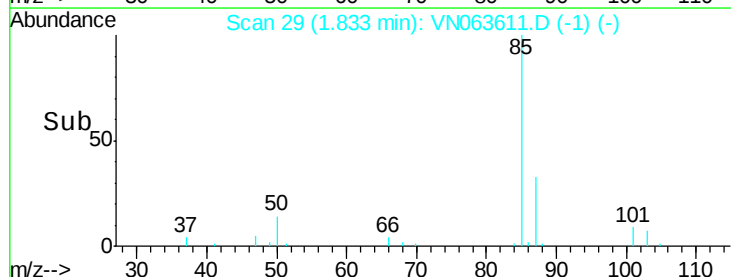
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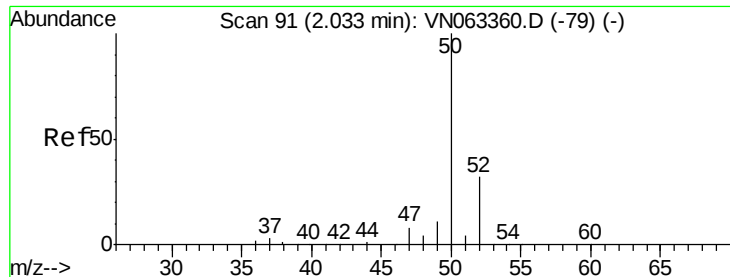
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.356 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 50 Resp: 61519

Ion Ratio Lower Upper

50 100

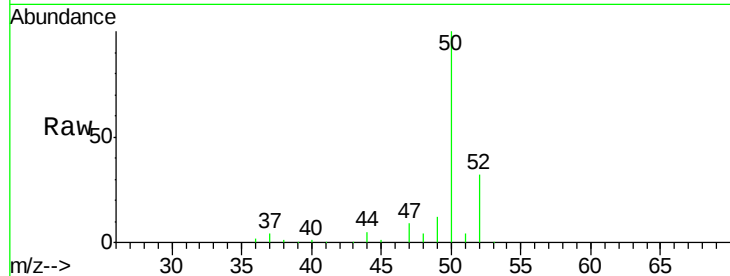
52 31.8 25.9 38.9

Manual Integrations

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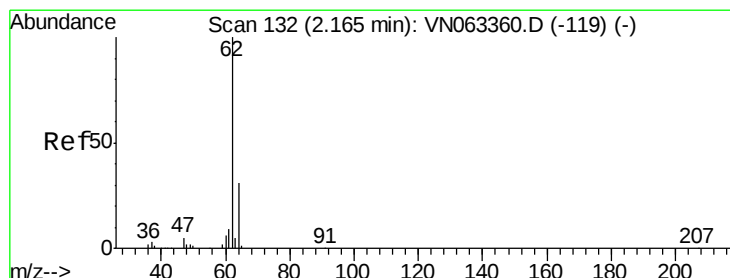
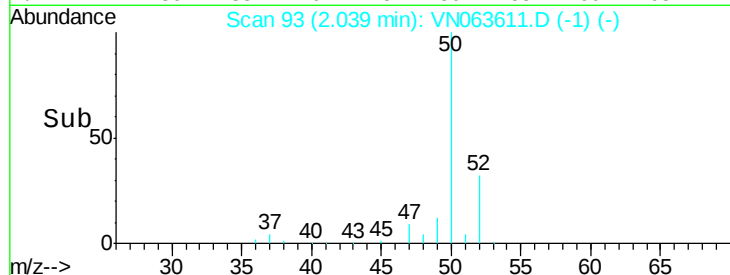
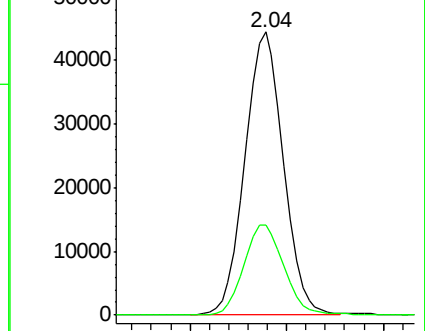
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063611.D

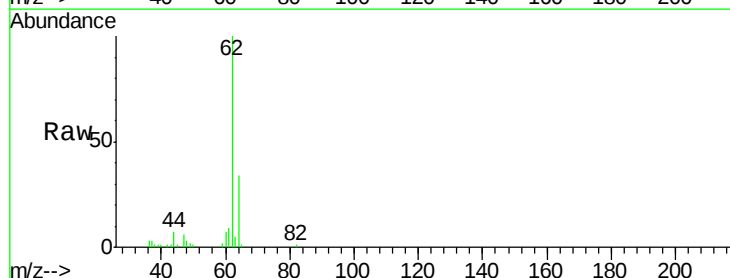
Acq: 24 Sep 2020 1:17

Tgt Ion: 62 Resp: 61271

Ion Ratio Lower Upper

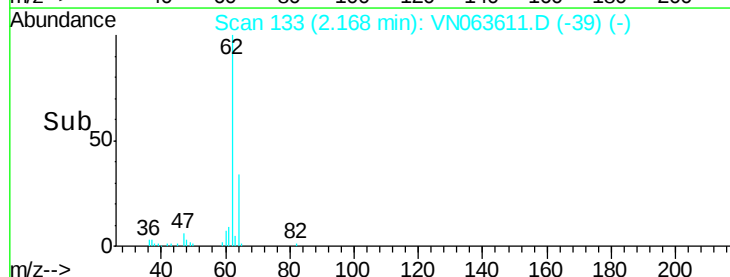
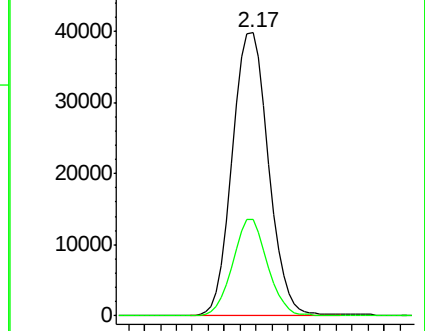
62 100

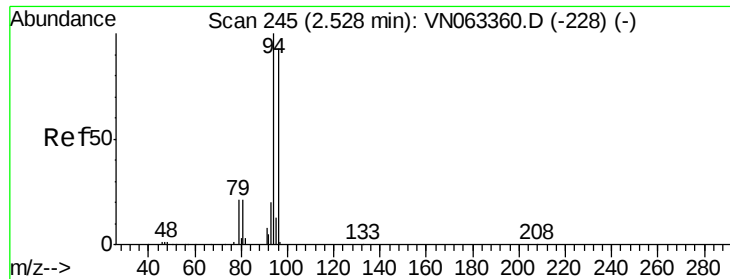
64 34.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.393 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 39888

Ion Ratio Lower Upper

94 100

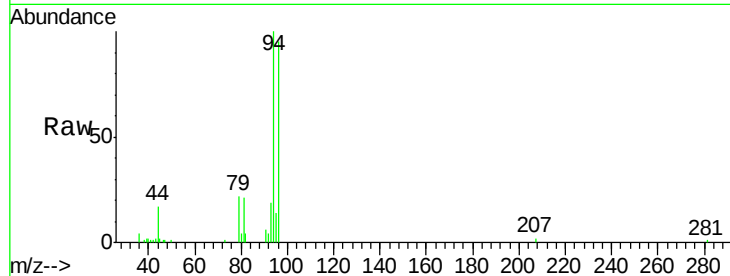
96 94.6 74.5 111.7

Manual Integrations

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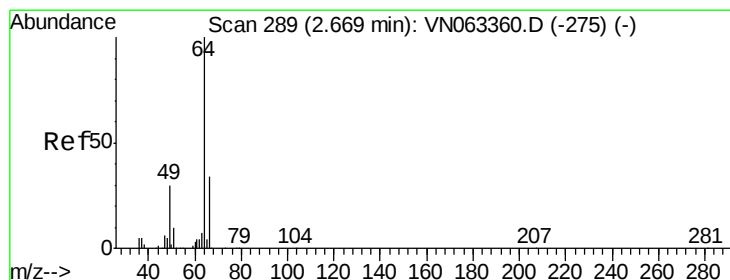
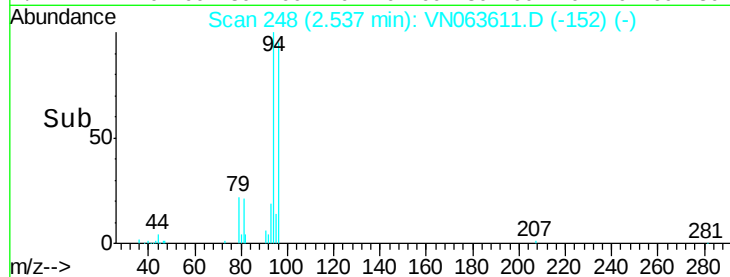
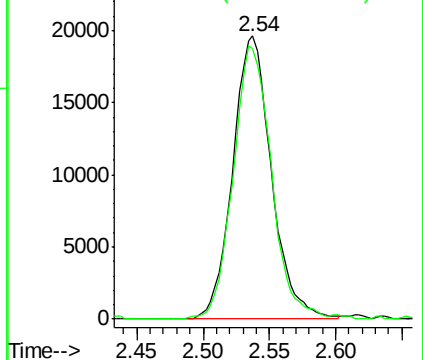
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.958 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063611.D

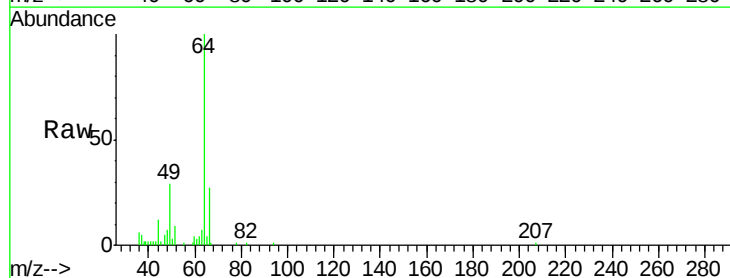
Acq: 24 Sep 2020 1:17

Tgt Ion: 64 Resp: 38473

Ion Ratio Lower Upper

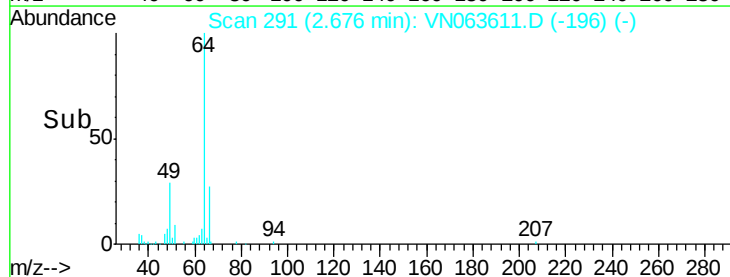
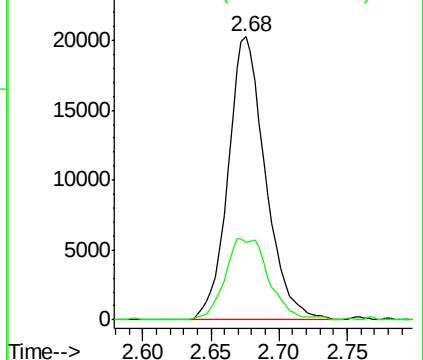
64 100

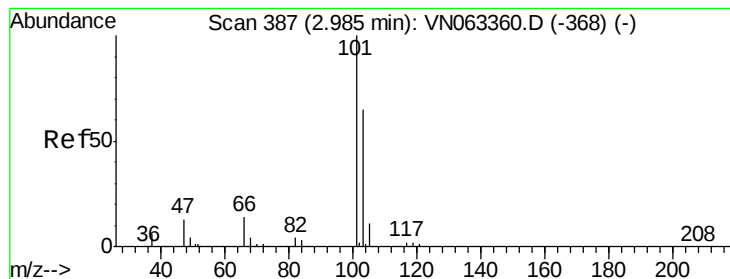
66 27.3 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

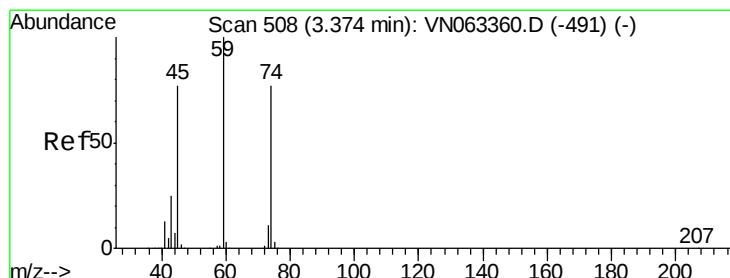
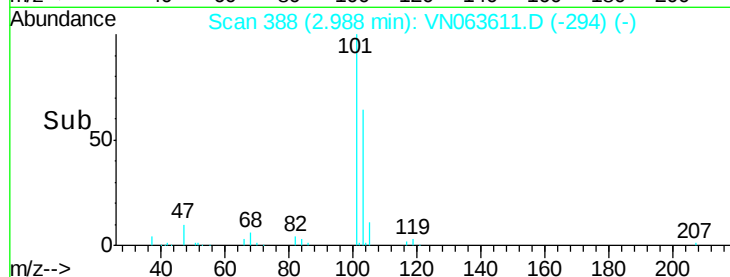
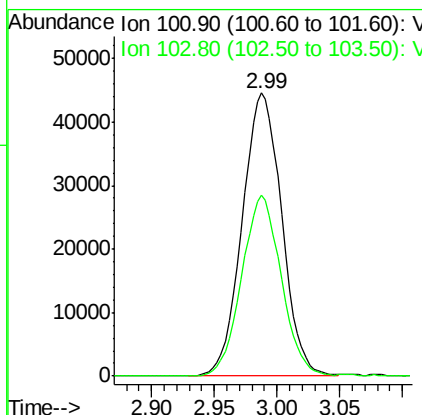
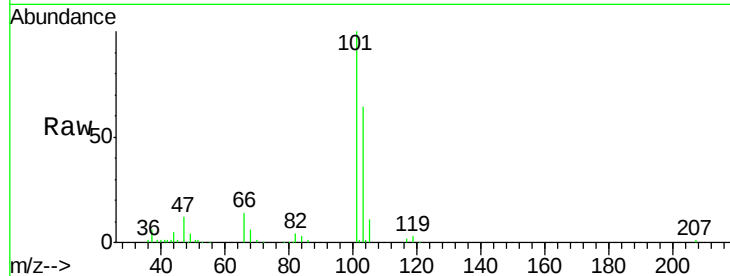
Trichlorofluoromethane
 Concen: 20.849 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.3	78.5

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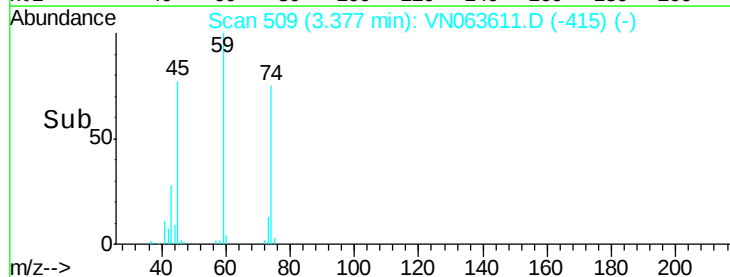
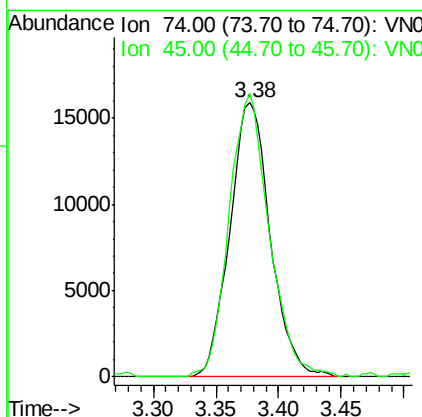
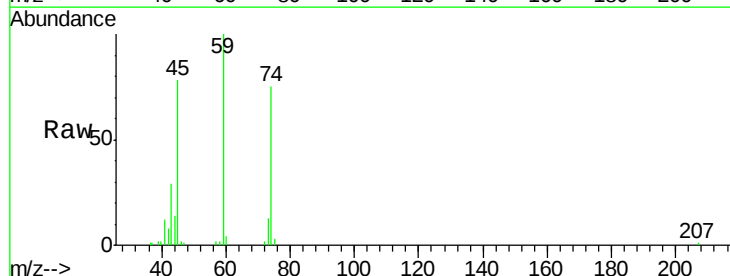
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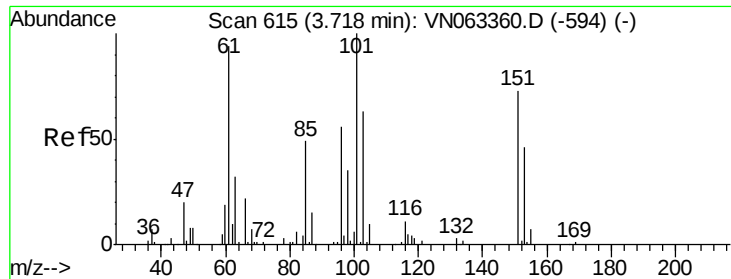


#8

Diethyl Ether
 Concen: 19.511 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.460 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

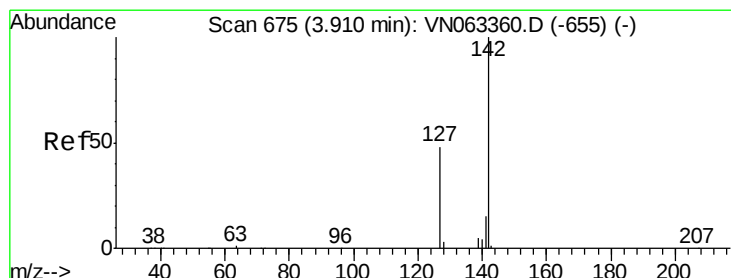
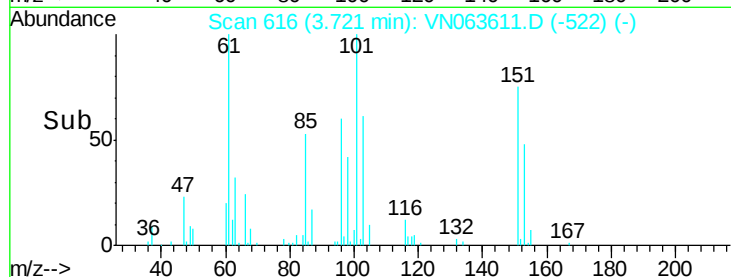
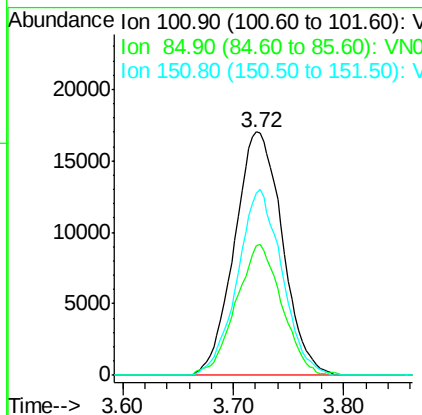
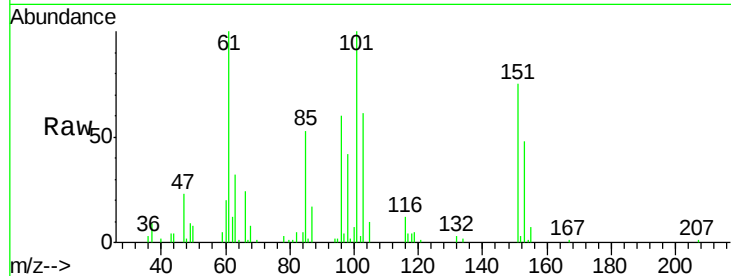
ClientSampleId :

VN0923WBSD02

Tot Ion:	101	Resp:	51277
Ion Ratio	Lower	Upper	
101	100		
85	51.4	37.7	56.5
151	71.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.044 ug/l

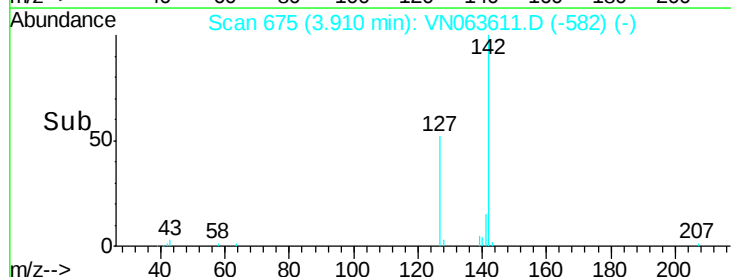
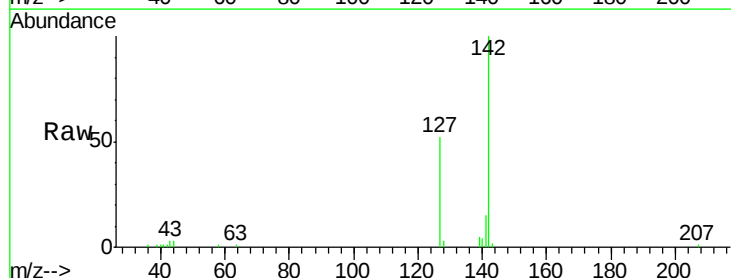
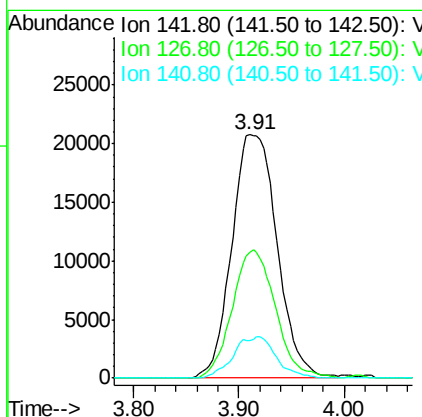
RT: 3.91 min Scan# 675

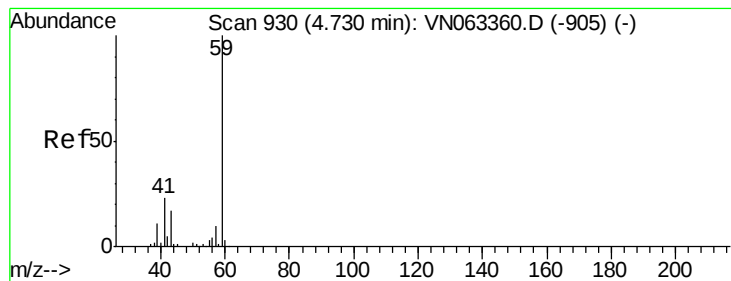
Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	142	Resp:	61899
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.0	58.6
141	16.1	11.6	17.4





#11

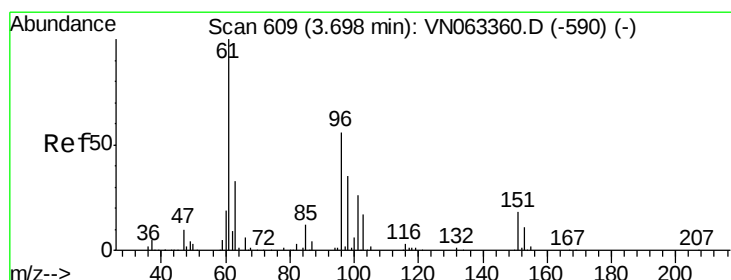
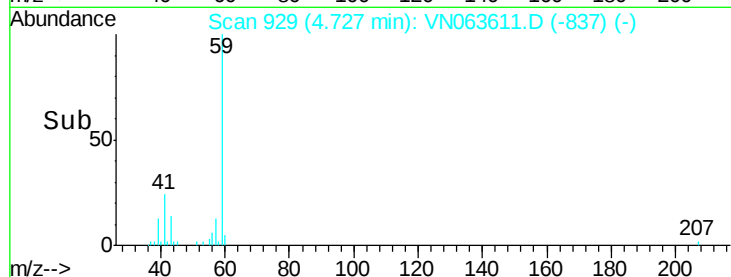
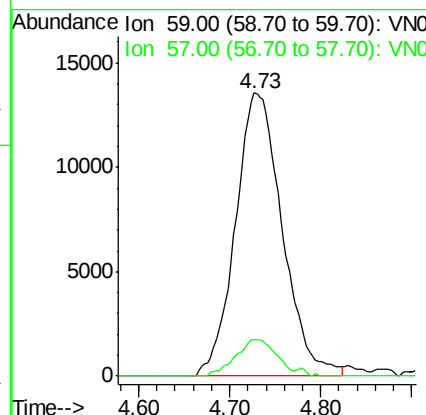
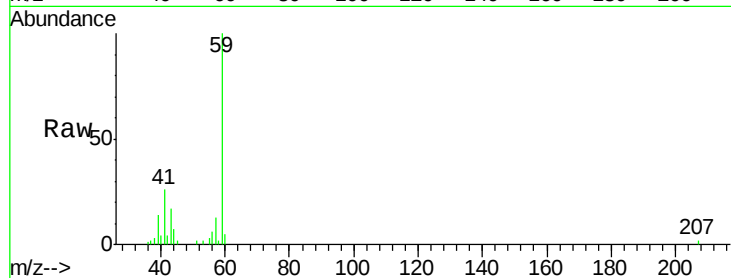
Tert butyl alcohol
Concen: 86.887 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.4	12.6

Manual Integrations
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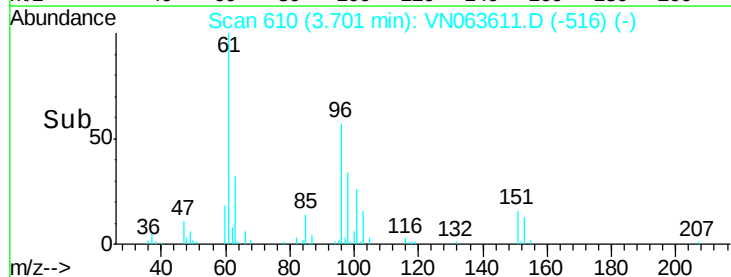
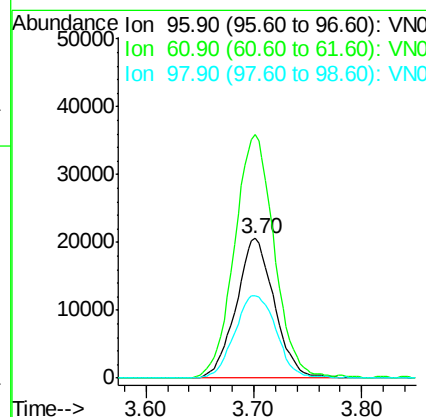
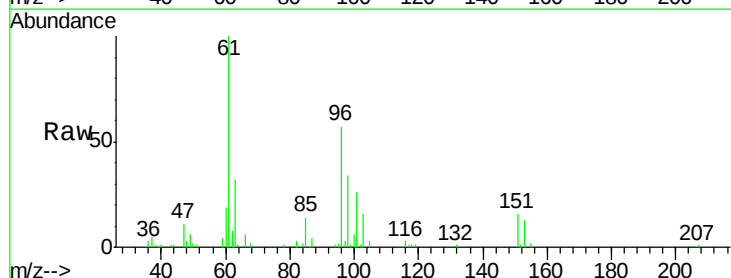
MMDadoda
9/24/2020 1:38:24 PM

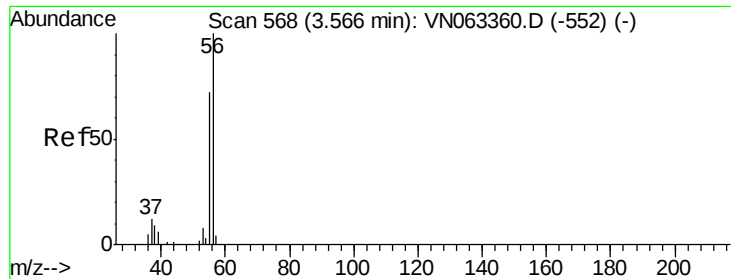


#12

1,1-Dichloroethene
Concen: 19.058 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.8	143.4	215.2
98	59.1	50.6	76.0





#13

Acrolein

Concen: 76.653 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 56 Resp: 15843

Ion Ratio Lower Upper

56 100

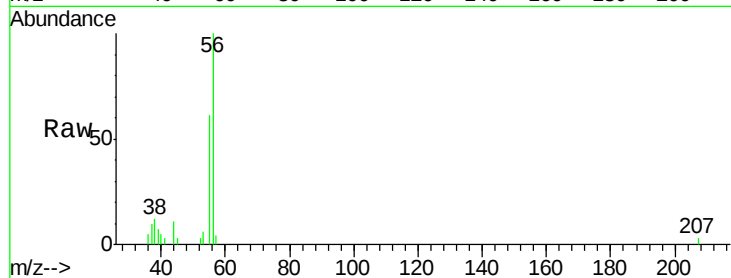
55 68.2 58.2 87.2

Manual Integrations

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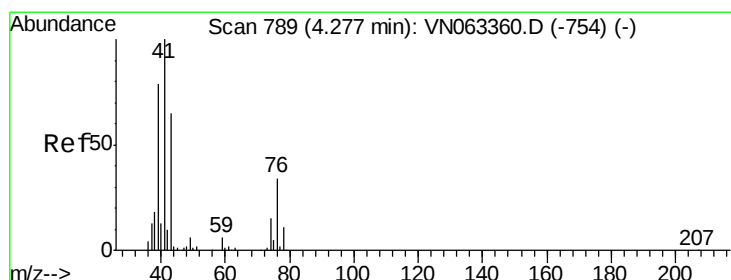
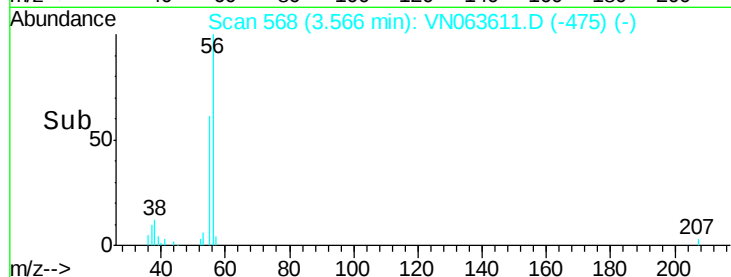
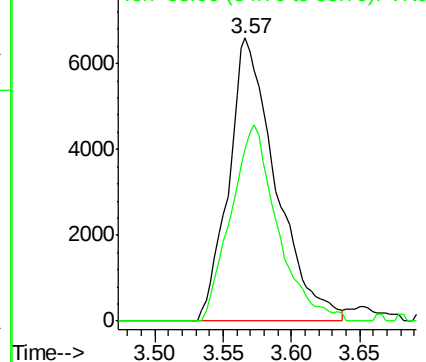
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.562 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

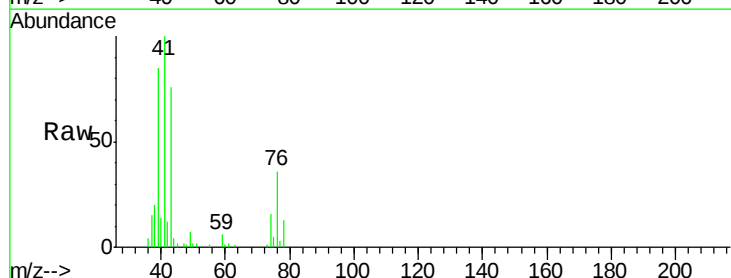
Tgt Ion: 41 Resp: 92712

Ion Ratio Lower Upper

41 100

39 76.8 59.3 88.9

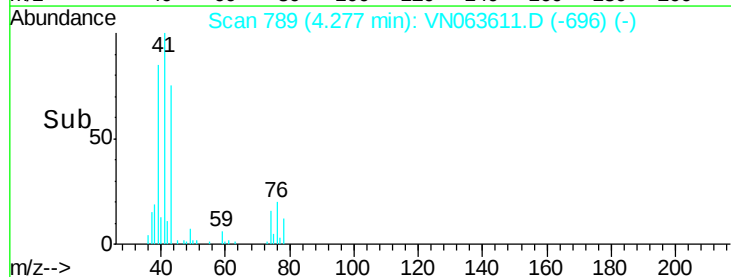
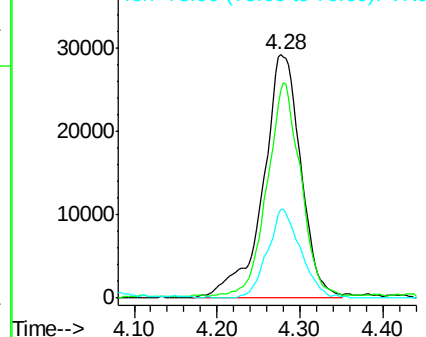
76 31.9 25.3 37.9

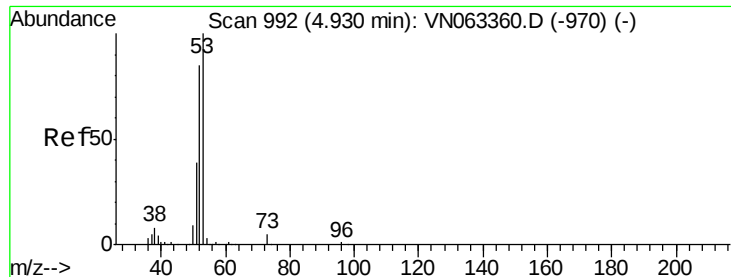


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.031 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

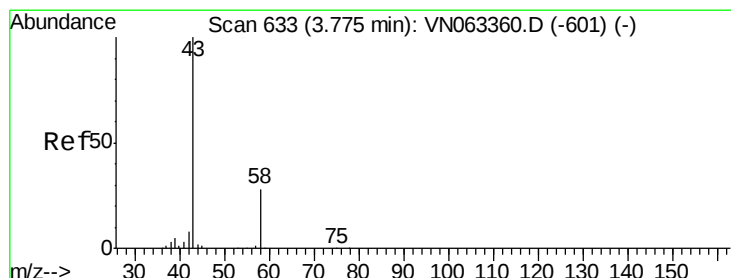
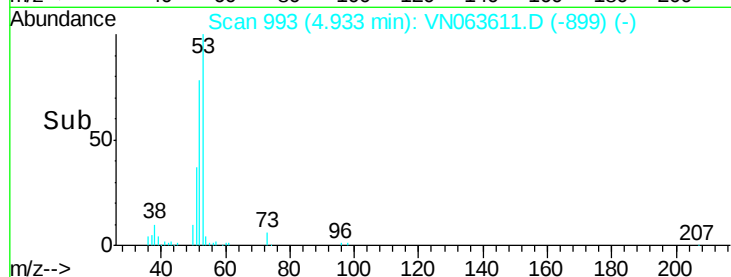
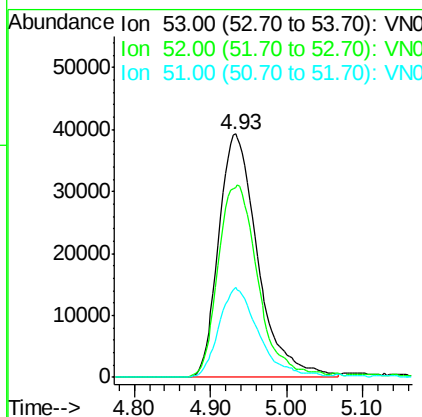
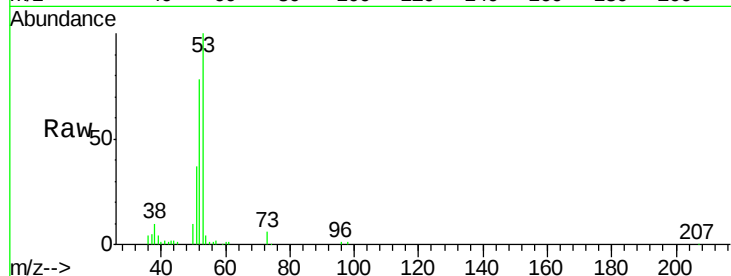
ClientSampleId :

VN0923WBSD02

Tot Ion:	53	Resp:	140491
Ion Ratio	Lower	Upper	
53	100		
52	80.3	66.4	99.6
51	37.1	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 95.505 ug/l

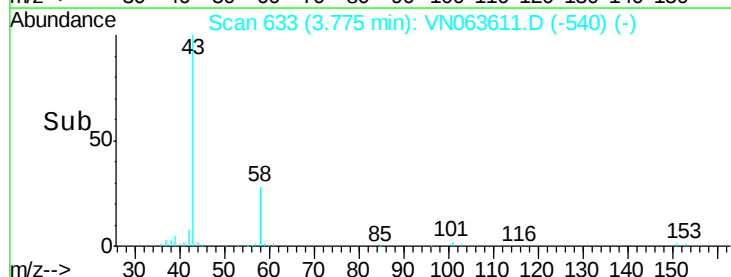
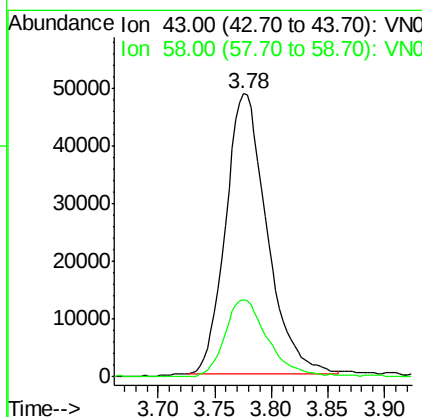
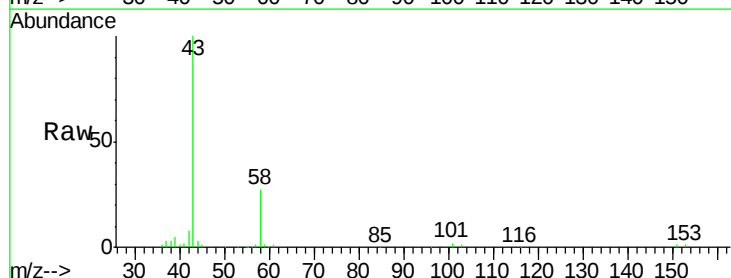
RT: 3.78 min Scan# 633

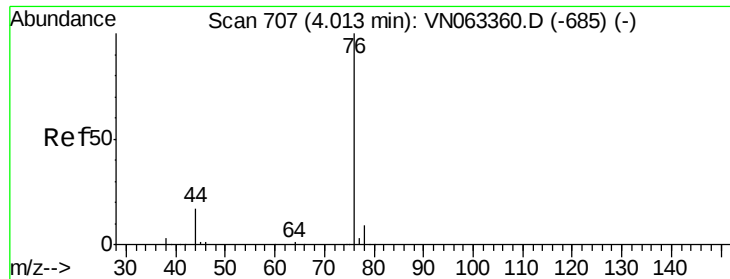
Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	43	Resp:	123569
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





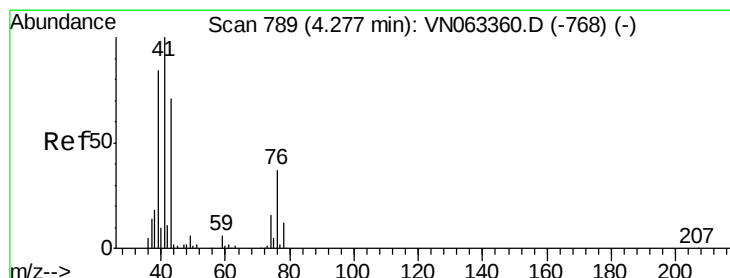
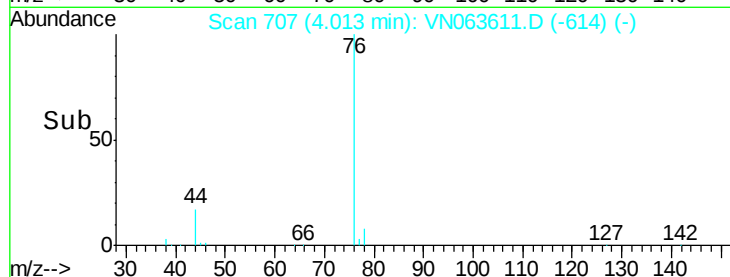
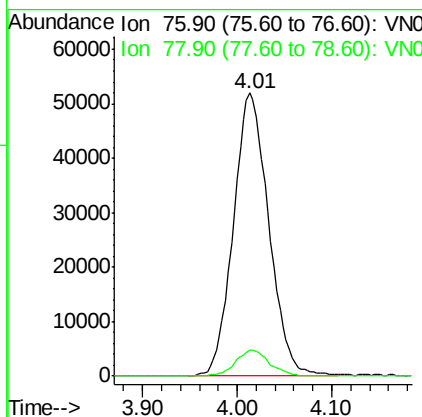
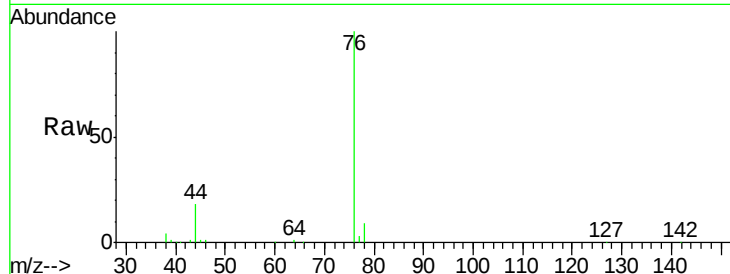
#17
Carbon Disulfide
Concen: 17.406 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

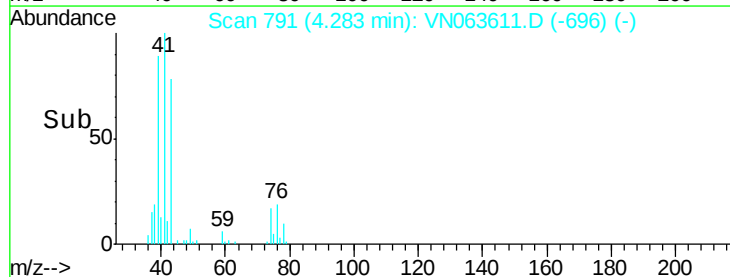
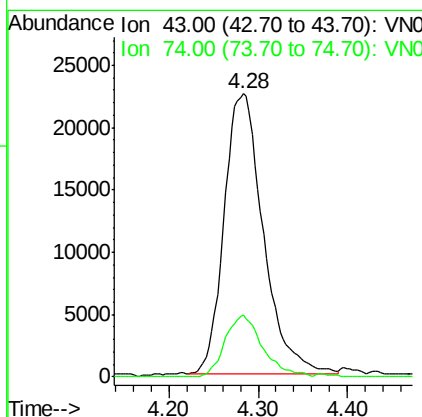
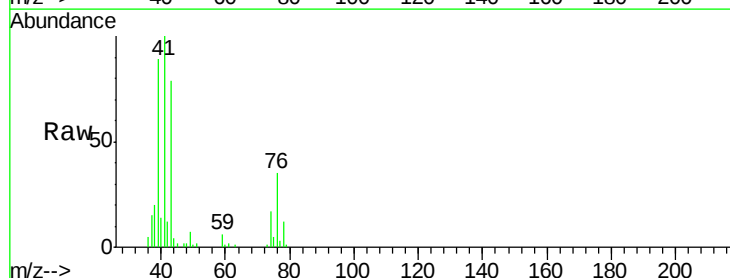
Manual Integrations
APPROVED

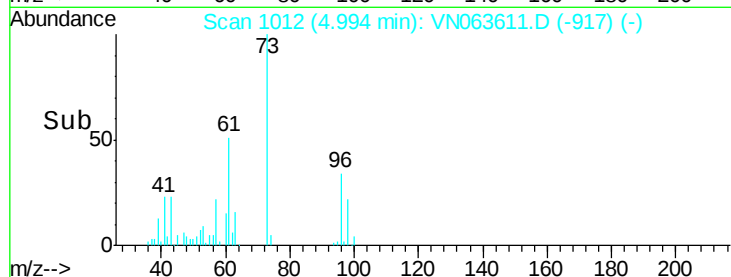
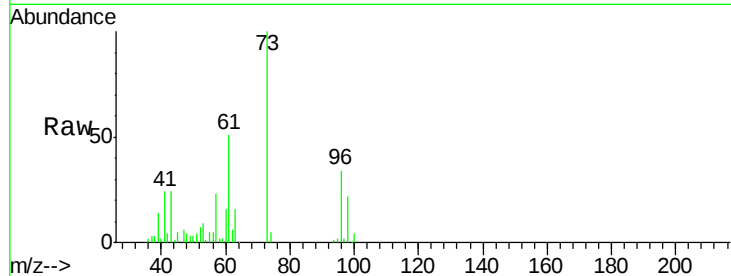
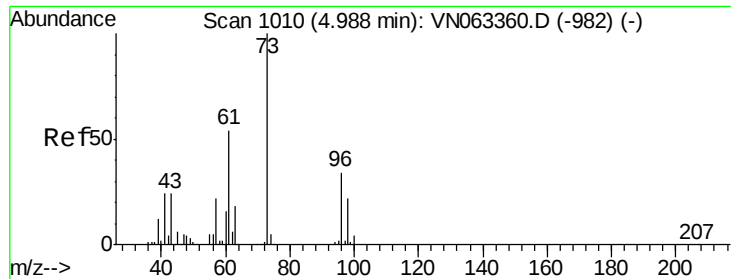
MMDadoda
9/24/2020 1:38:24 PM



#18
Methyl Acetate
Concen: 20.722 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.2





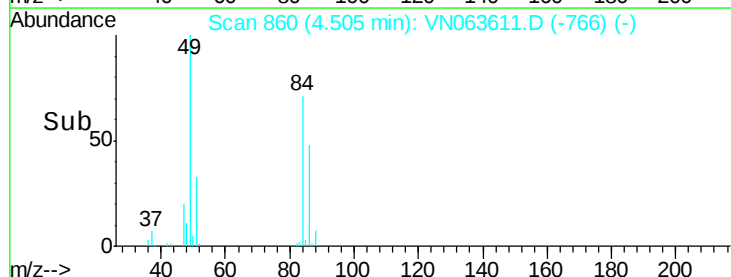
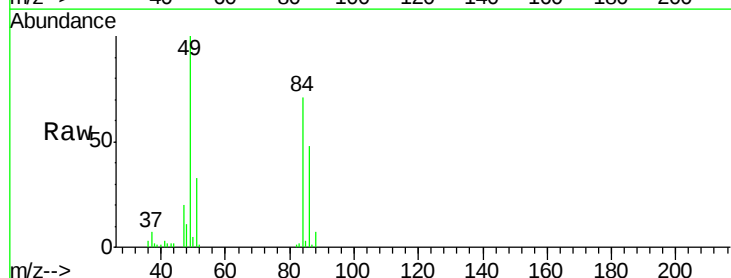
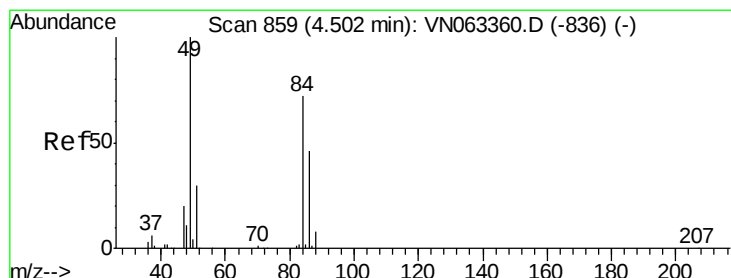
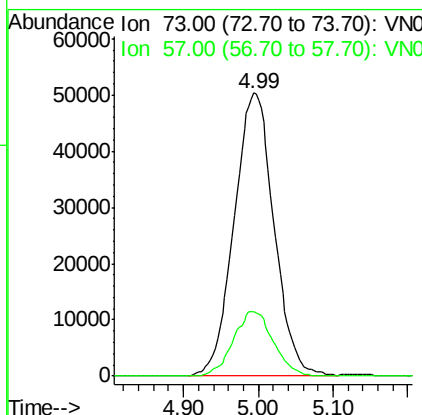
#19
Methyl tert-butyl Ether
Concen: 18.753 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tot Ion: 73 Resp: 186537
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

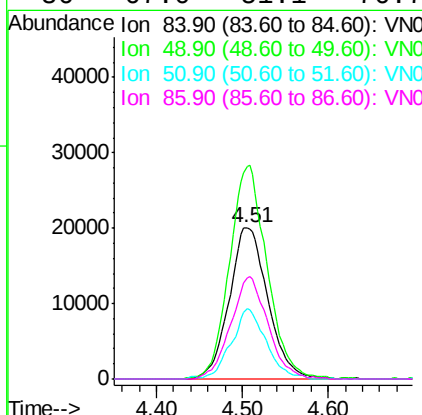
Manual Integrations
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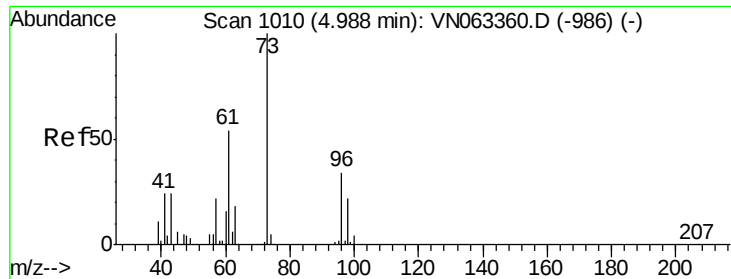
MMDadoda
9/24/2020 1:38:24 PM



#20
Methylene Chloride
Concen: 19.117 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion: 84 Resp: 62666
Ion Ratio Lower Upper
84 100
49 140.0 110.7 166.1
51 46.1 32.9 49.3
86 67.0 51.1 76.7





#21

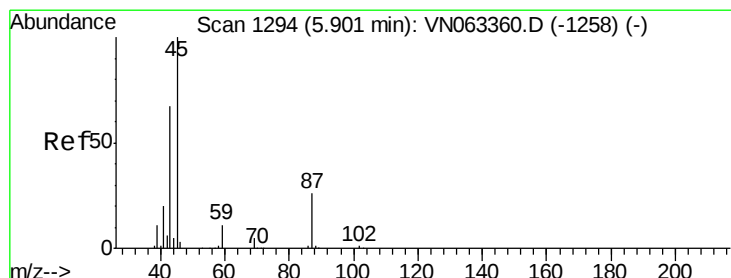
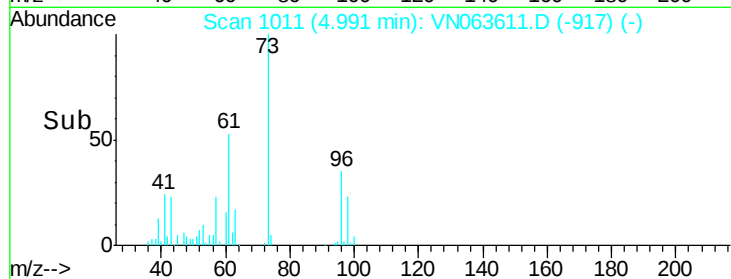
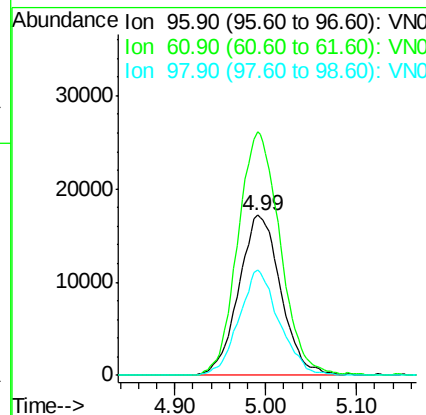
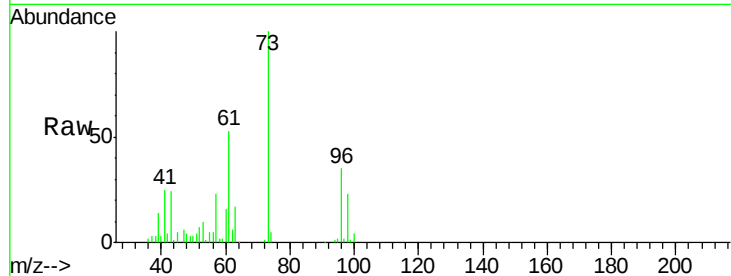
trans-1,2-Dichloroethene
Concen: 18.618 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	126.2	189.4
98	66.0	51.0	76.4

Manual Integrations
APPROVED

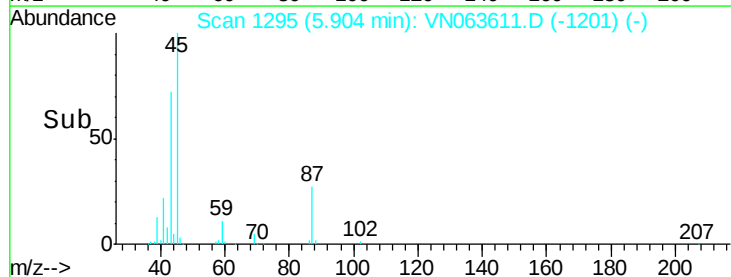
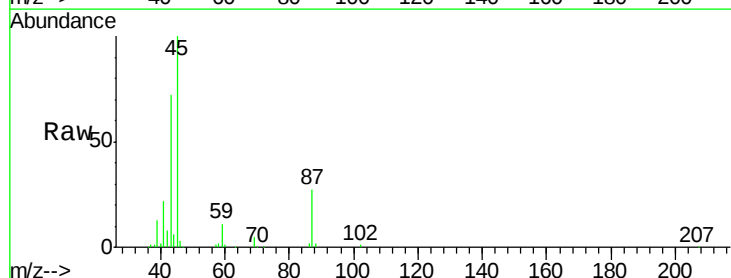
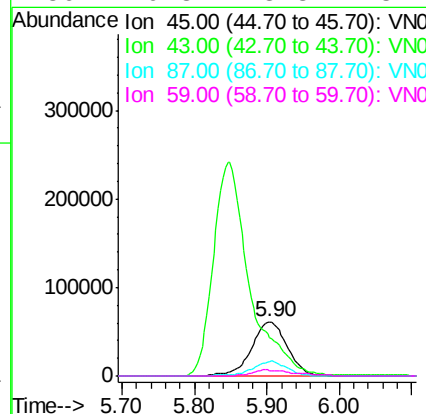
MMDadoda
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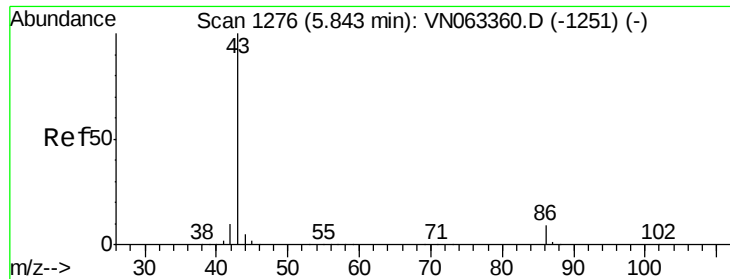


#22

Diisopropyl ether
Concen: 19.496 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	53.5	80.3
87	26.8	21.2	31.8
59	10.3	8.8	13.2





#23

Vinyl Acetate

Concen: 94.601 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 43 Resp: 836485

Ion Ratio Lower Upper

43 100

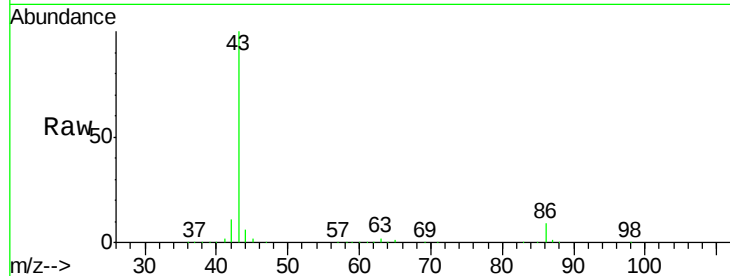
86 8.6 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN063360.D (-1251) (-)

5.85

250000

200000

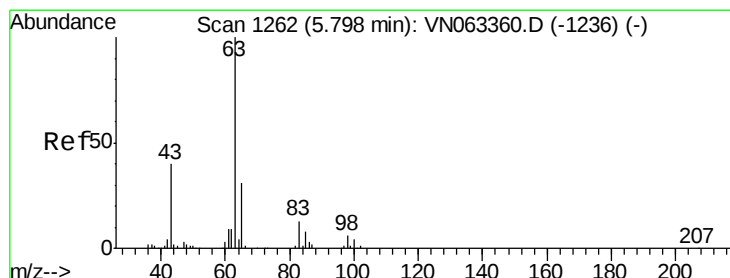
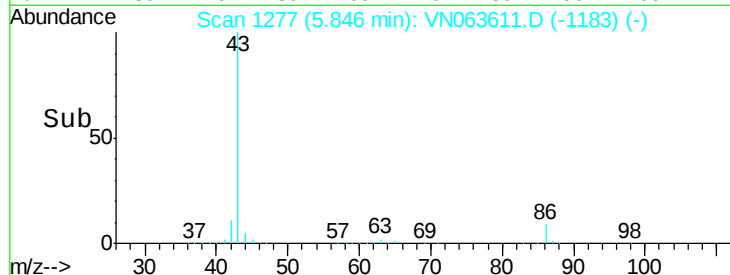
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.446 ug/l

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

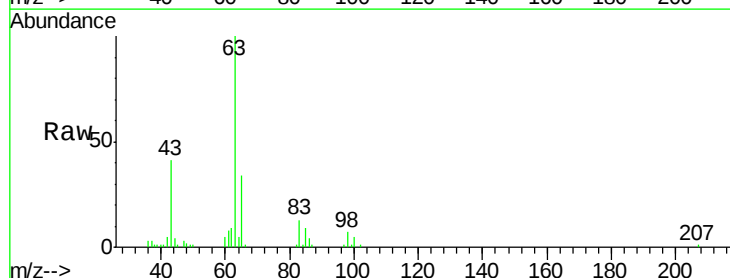
Tgt Ion: 63 Resp: 114306

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN063360.D (-1236) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1236) (-)

Ion 99.90 (99.60 to 100.60): VN063360.D (-1236) (-)

5.80

40000

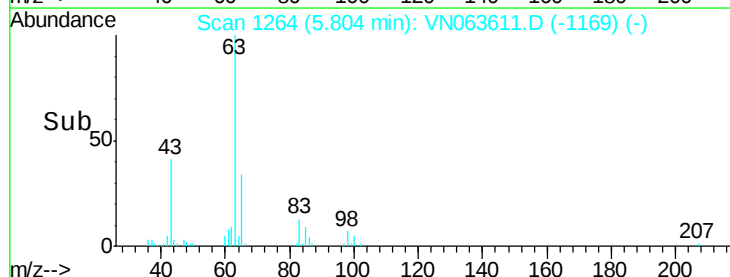
30000

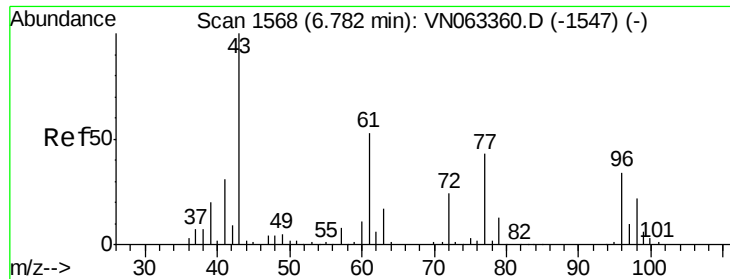
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.010 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 43 Resp: 193041

Ion Ratio Lower Upper

43 100

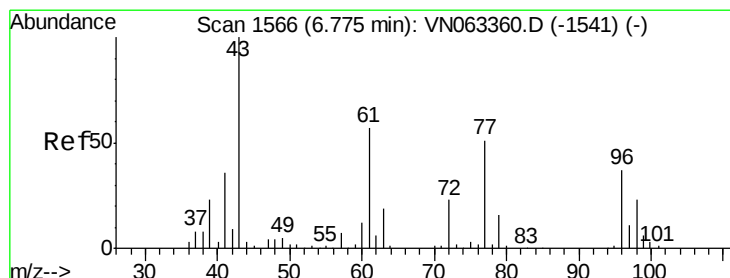
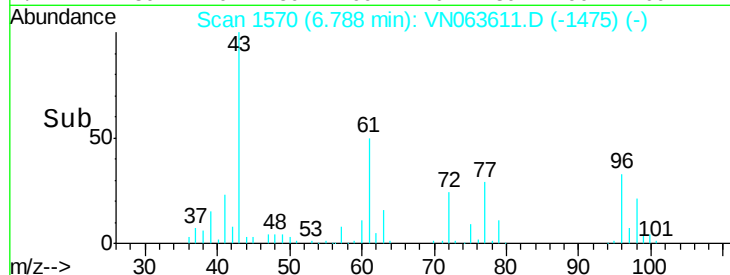
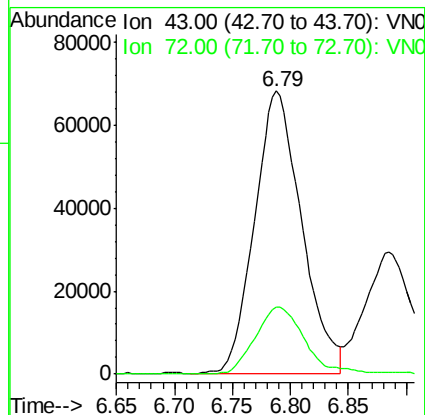
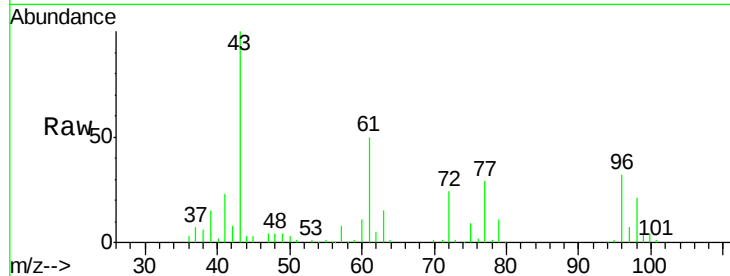
72 23.7 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.338 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063611.D

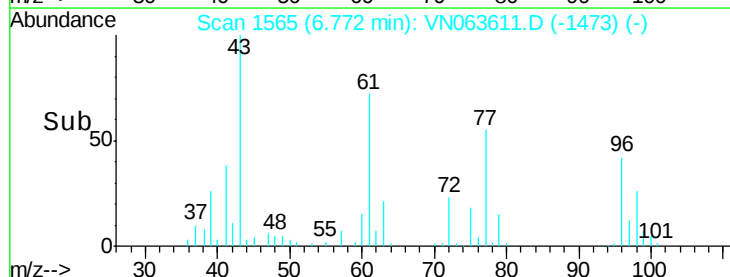
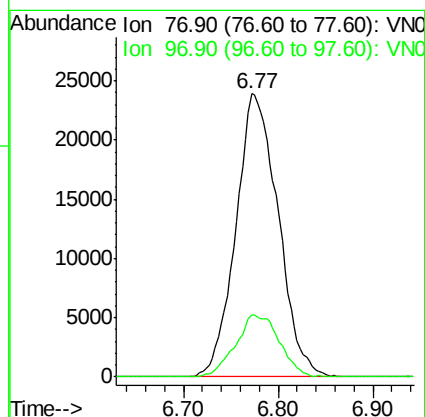
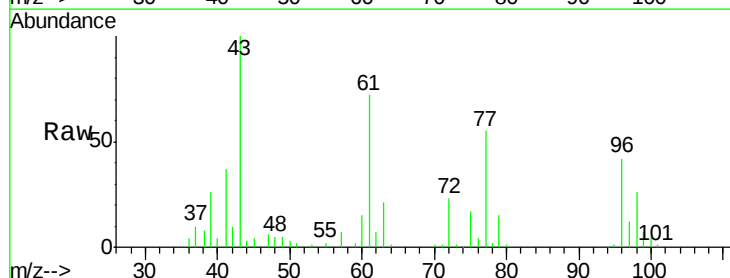
Acq: 24 Sep 2020 1:17

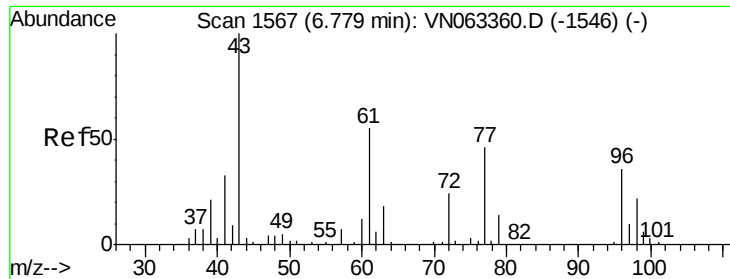
Tgt Ion: 77 Resp: 74205

Ion Ratio Lower Upper

77 100

97 22.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.046 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

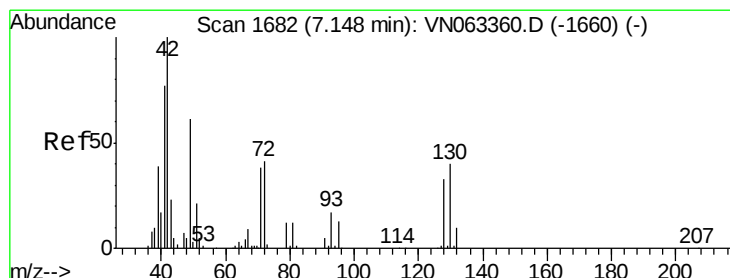
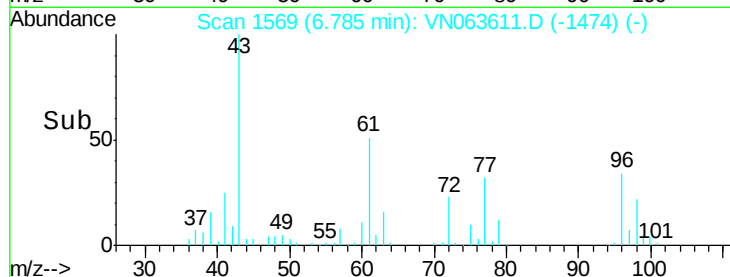
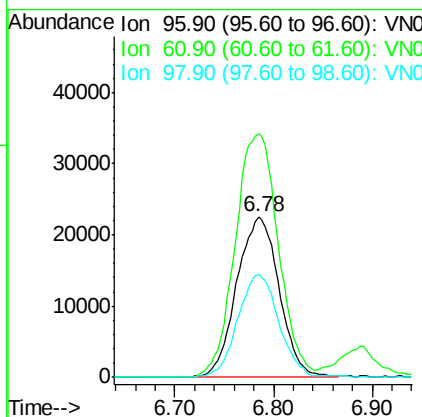
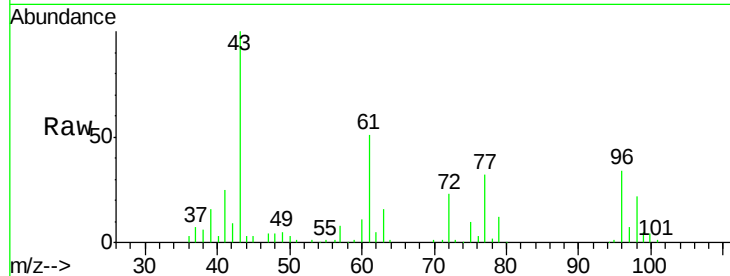
ClientSampleId :

VN0923WBSD02

Tot Ion:	96	Resp:	67092
Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	319.6
98	61.9	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 17.788 ug/l

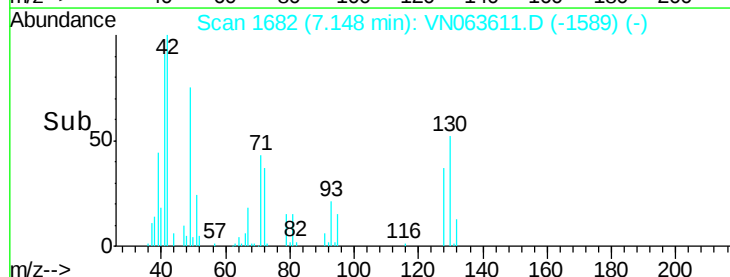
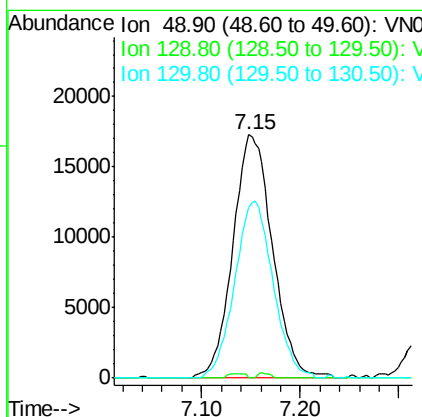
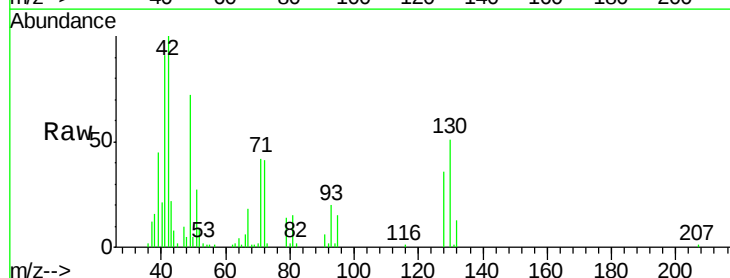
RT: 7.15 min Scan# 1682

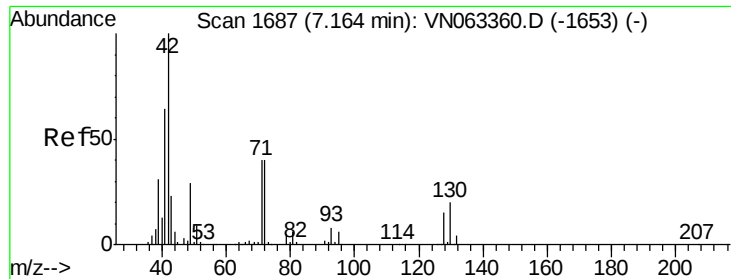
Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	49	Resp:	48279
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	70.2	52.2	78.2





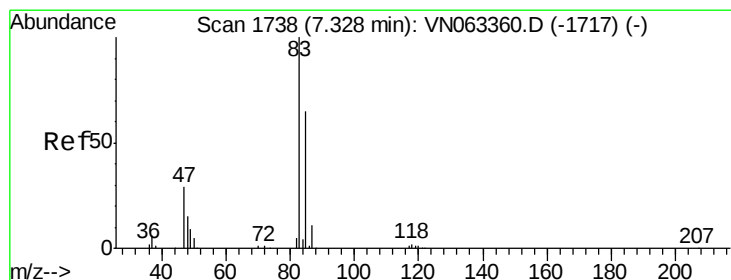
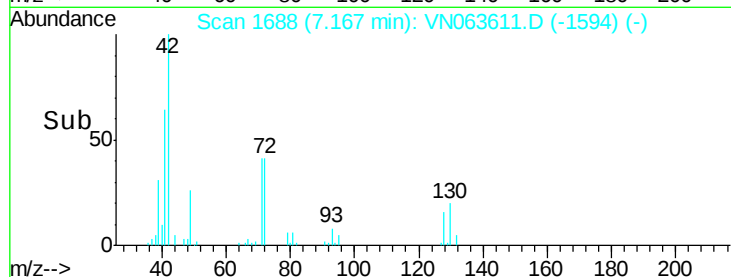
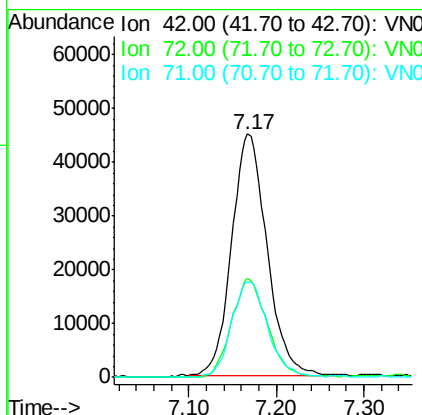
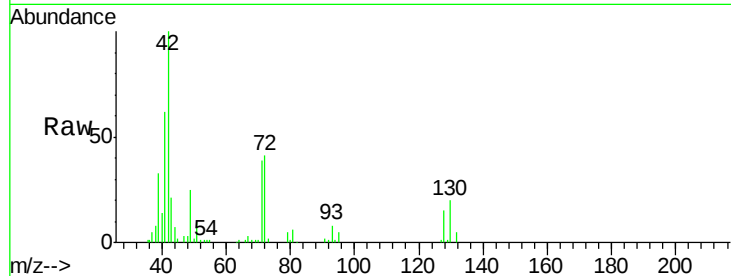
#29
Tetrahydrofuran
Concen: 92.604 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.1	48.1
71	40.7	31.2	46.8

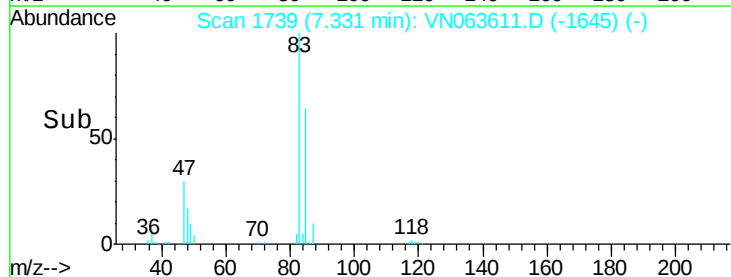
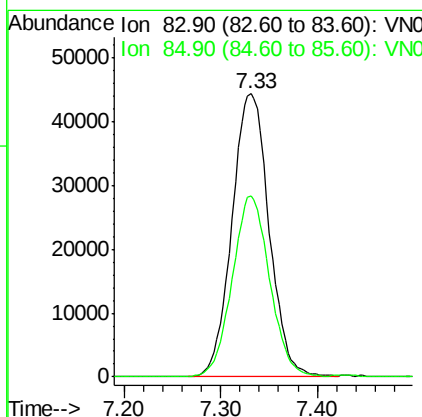
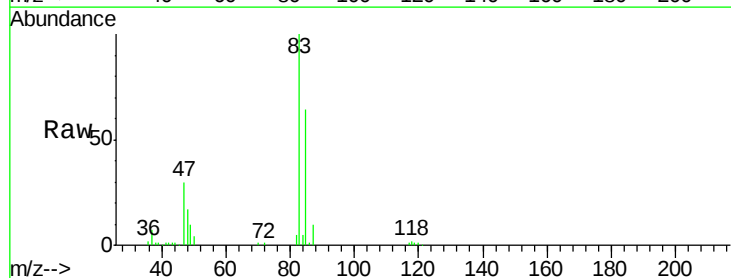
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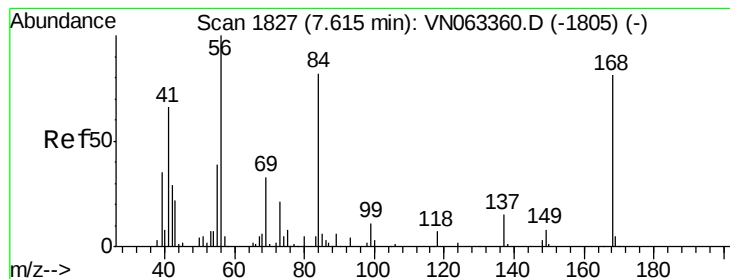
MMDadoda
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#30
Chloroform
Concen: 20.057 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





#31

Cyclohexane

Concen: 16.907 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

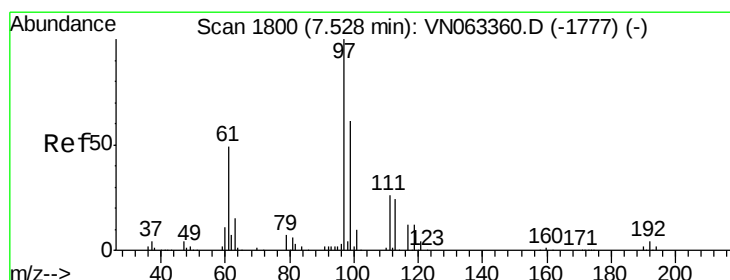
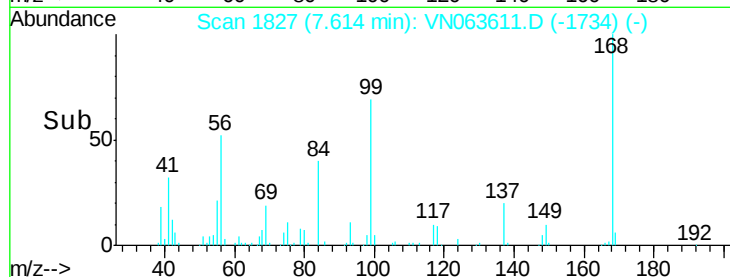
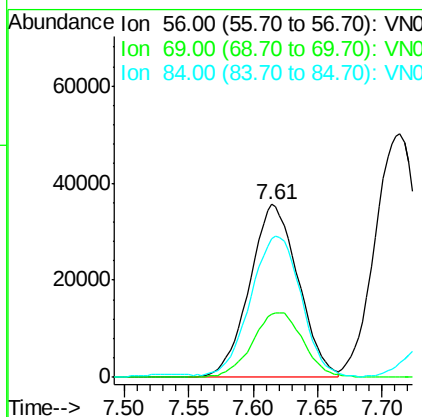
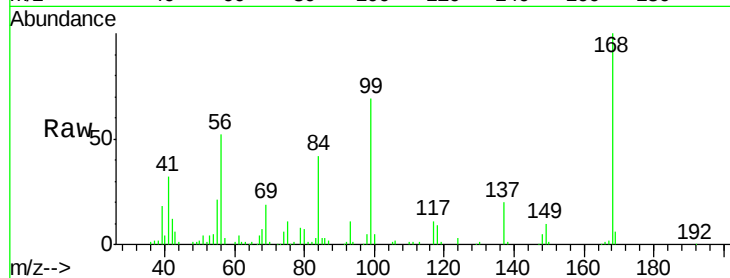
ClientSampleId :

VN0923WBSD02

Tot Ion:	56	Resp:	94006
Ion Ratio	Lower	Upper	
56	100		
69	36.6	26.1	39.1
84	78.0	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.466 ug/l

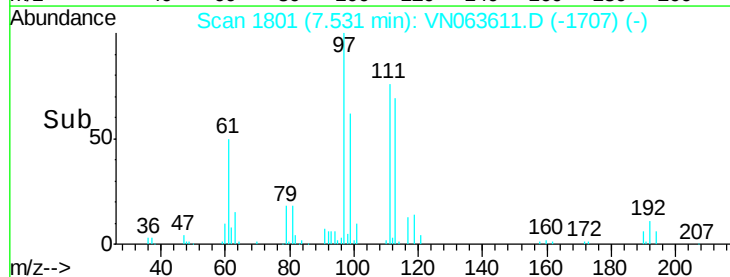
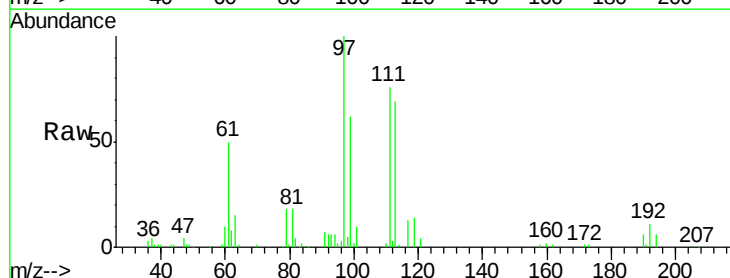
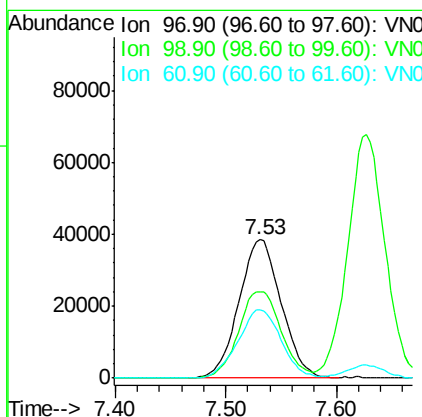
RT: 7.53 min Scan# 1801

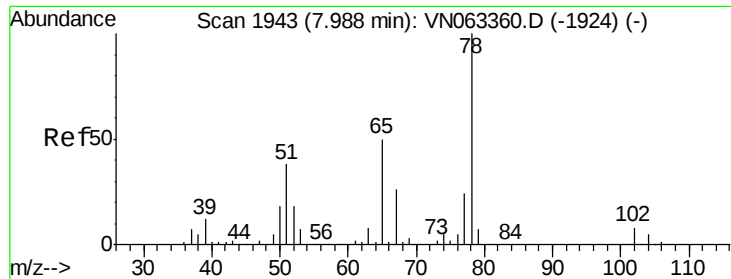
Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	97	Resp:	102104
Ion Ratio	Lower	Upper	
97	100		
99	63.4	50.6	76.0
61	50.5	39.2	58.8





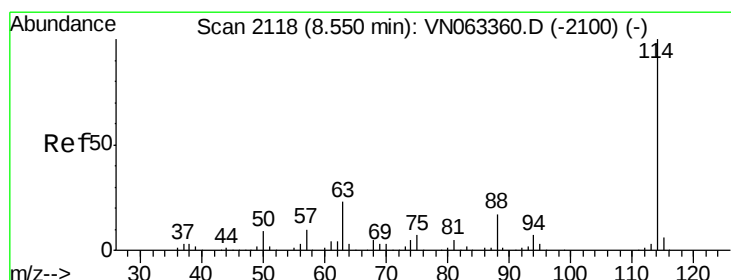
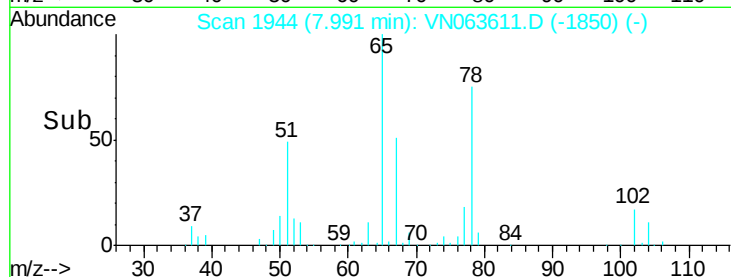
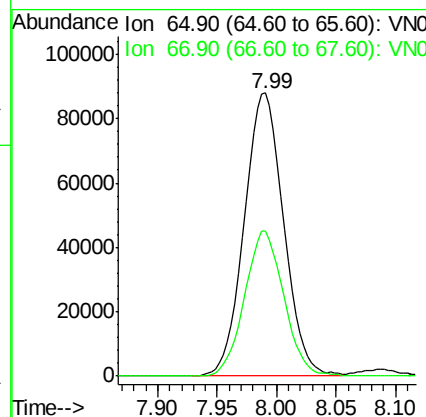
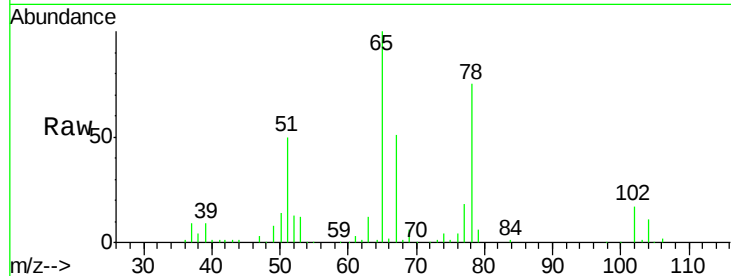
#33
 1,2-Dichloroethane-d4
 Concen: 50.186 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202040		
67	51.1	0.0	104.2	

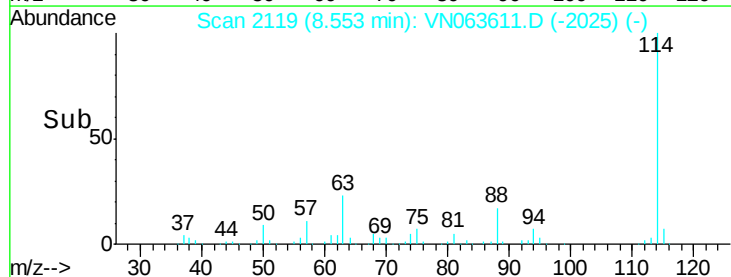
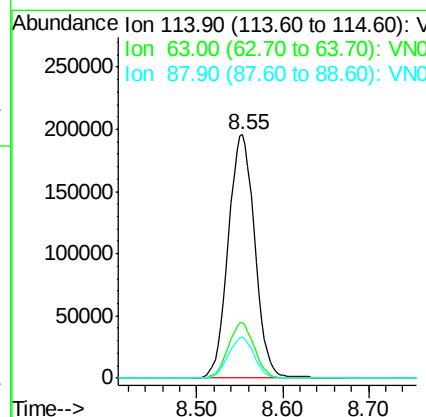
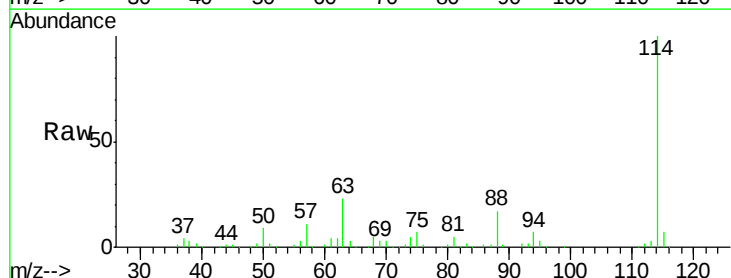
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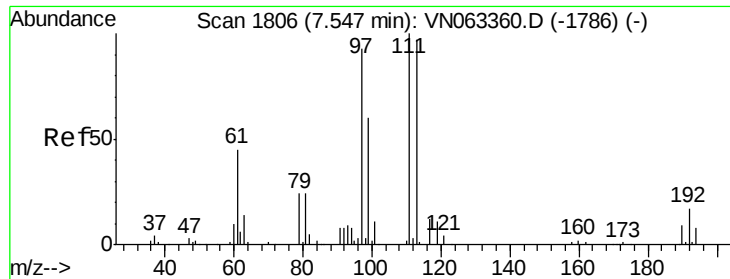
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419117		
63	23.0	0.0	46.4	
88	16.7	0.0	33.2	





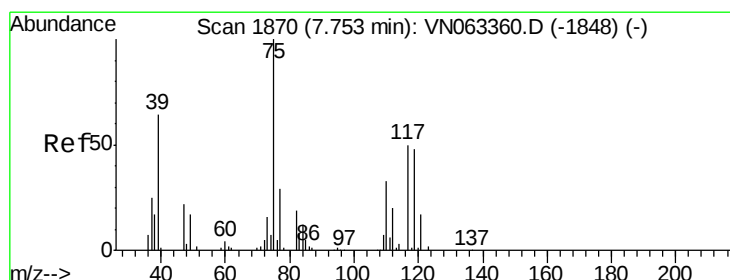
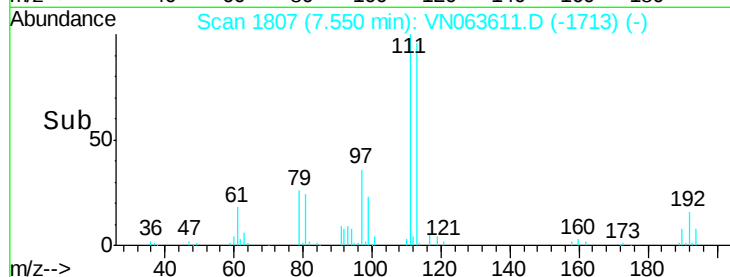
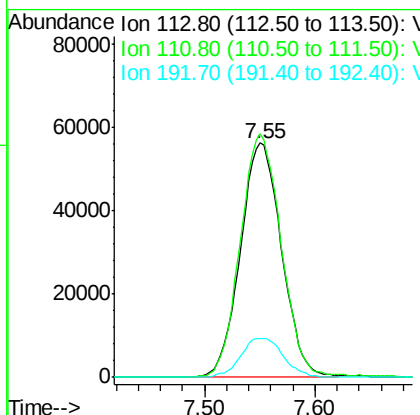
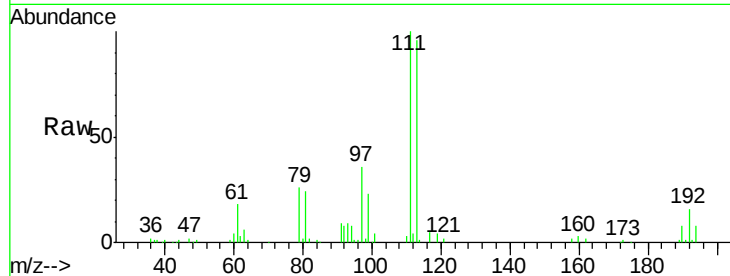
#35
 Dibromofluoromethane
 Concen: 50.080 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145305		
111	103.4	82.9	124.3	
192	17.3	13.9	20.9	

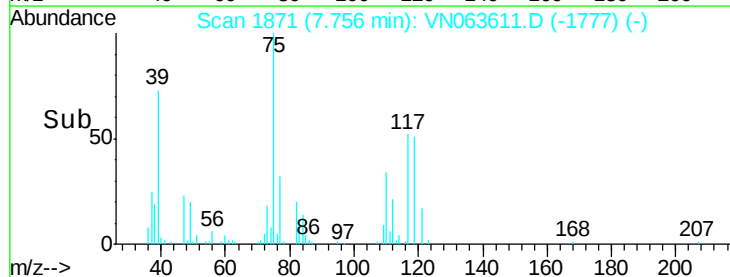
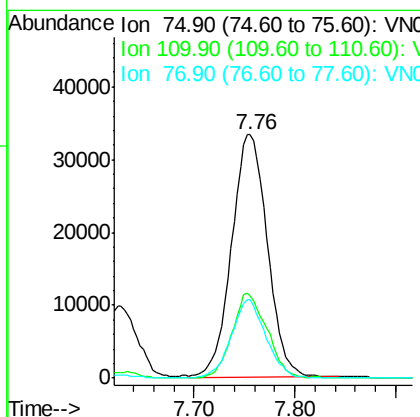
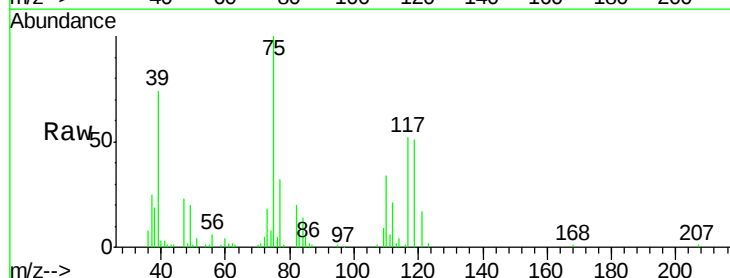
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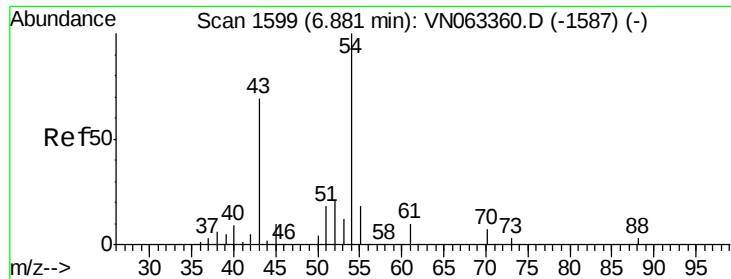
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.377 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82057		
110	34.0	16.5	49.5	
77	31.4	24.6	36.8	





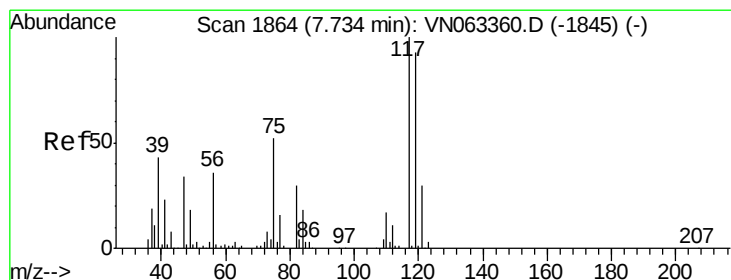
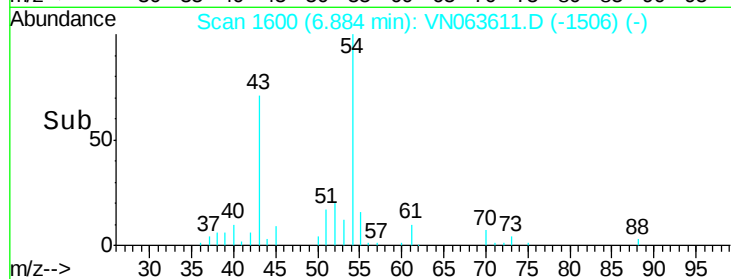
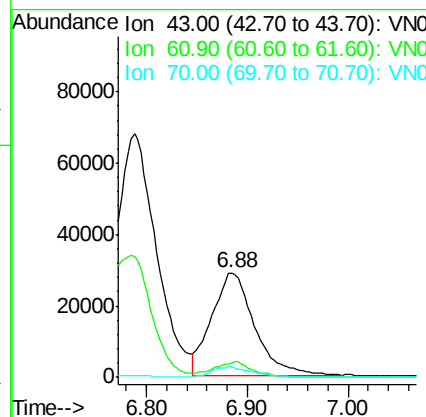
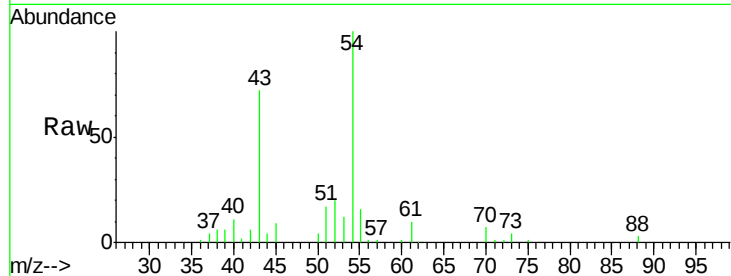
#37
Ethyl Acetate
Concen: 19.556 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	43	61	70
Resp	85701	13.1	9.2
Lower		10.6	7.2
Upper		15.8	10.8

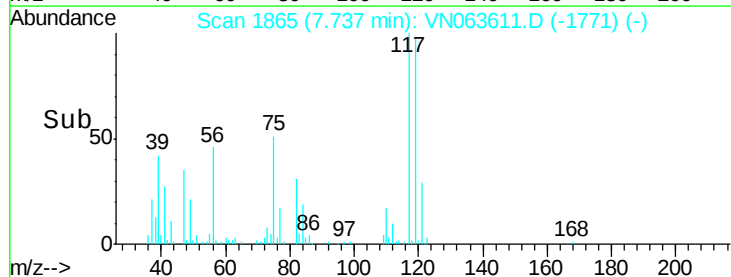
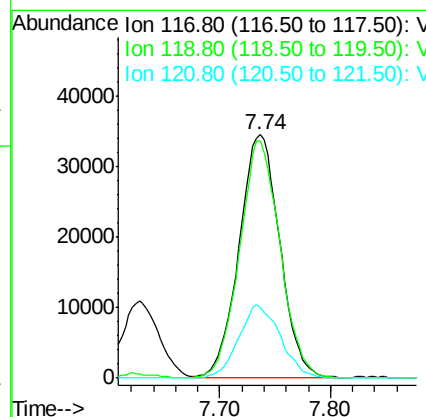
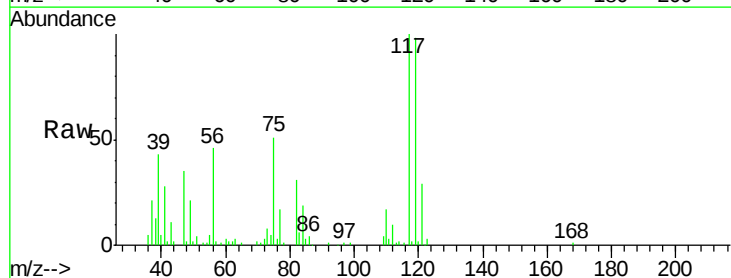
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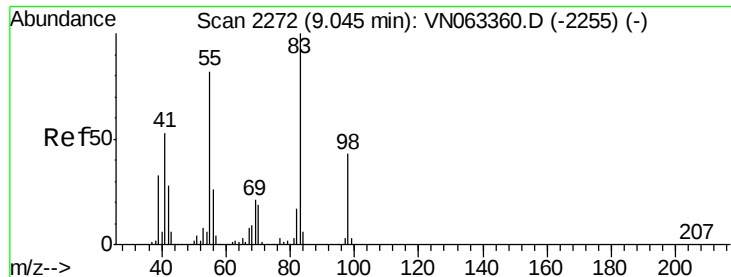
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#38
Carbon Tetrachloride
Concen: 19.402 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	117	119	121
Resp	88433	97.5	29.1
Lower		74.5	24.1
Upper		111.7	36.1





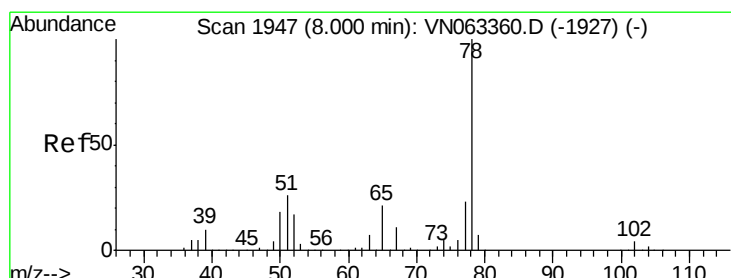
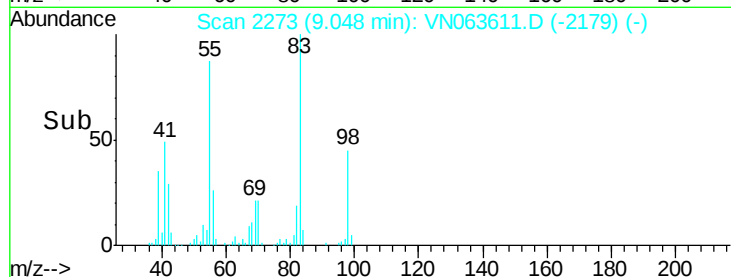
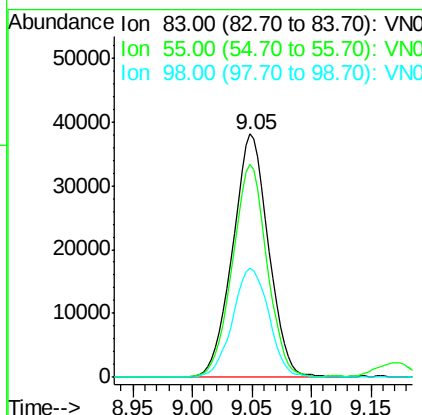
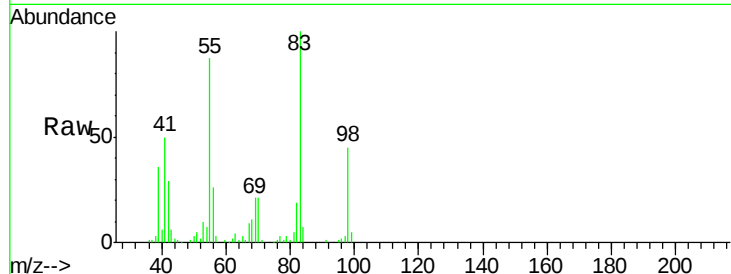
#39
Methvlcvclohexane
Concen: 16.420 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	65.5	98.3
98	45.0	34.2	51.4

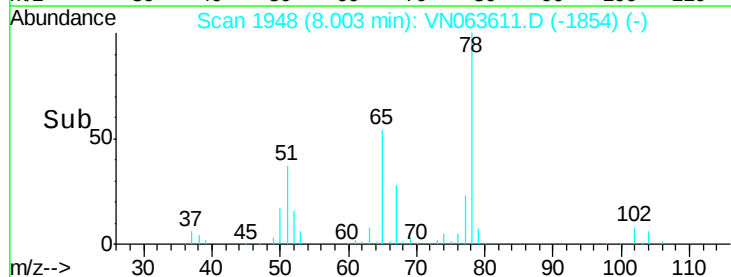
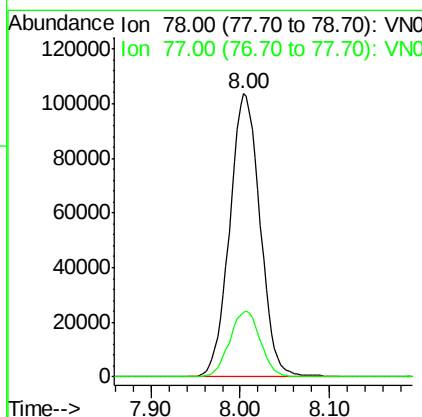
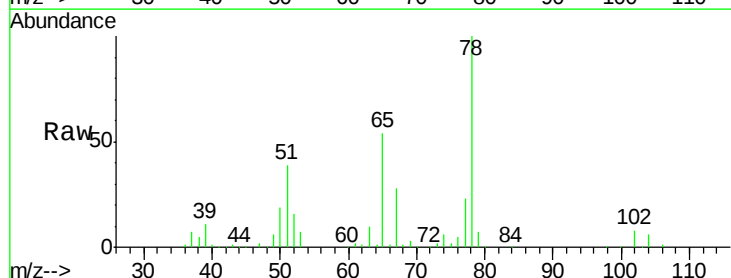
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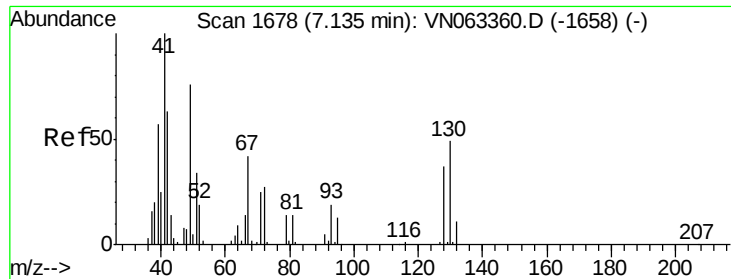
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#40
Benzene
Concen: 19.233 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





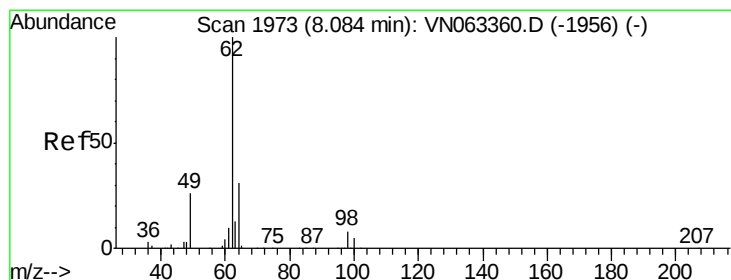
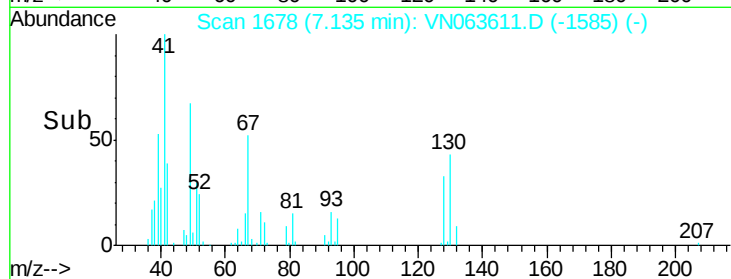
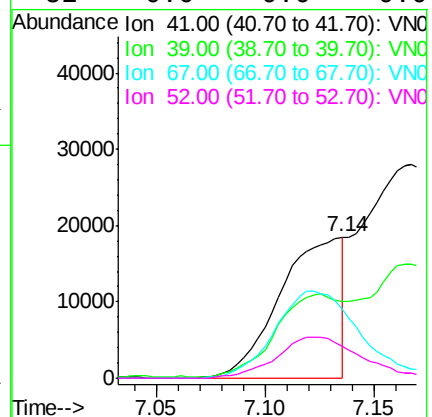
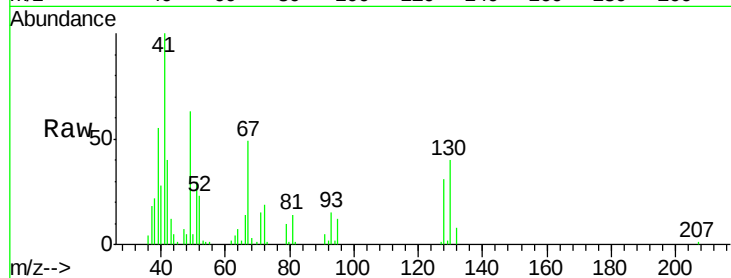
#41
Methacrylonitrile
Concen: 18.670 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	41	Resp	36799
Ion	Ratio	Lower	Upper
41	100		
39	94.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

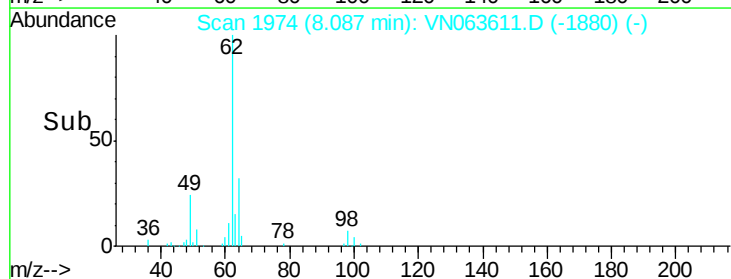
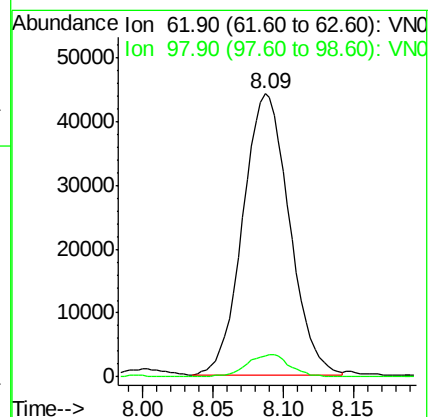
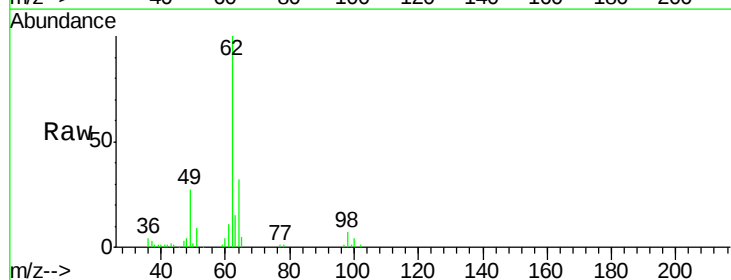
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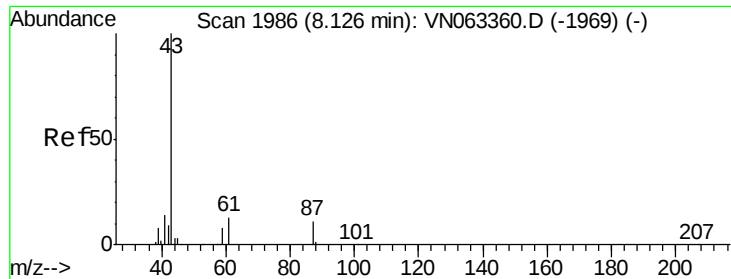
MMDadoda
9/24/2020 1:38:24 PM



#42
1,2-Dichloroethane
Concen: 19.835 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	62	Resp	101670
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.6





#43

Isopropyl Acetate

Concen: 17.886 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

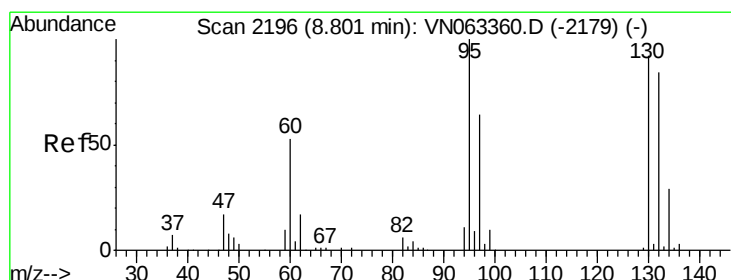
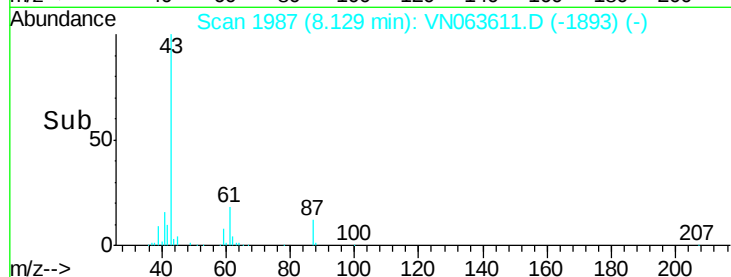
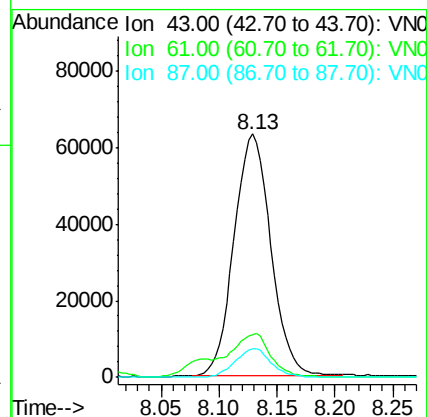
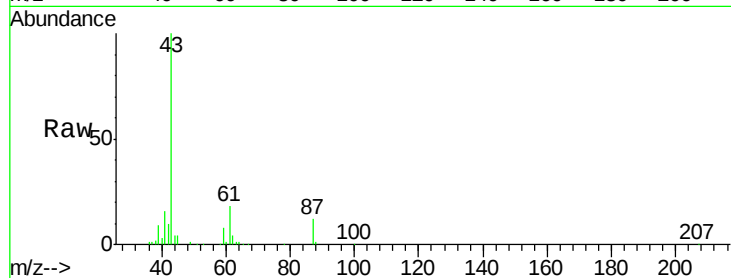
ClientSampleId :

VN0923WBSD02

Tot Ion:	43	Resp:	140154
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.2
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 19.634 ug/l

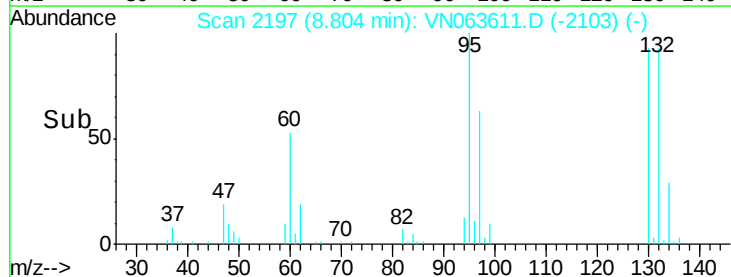
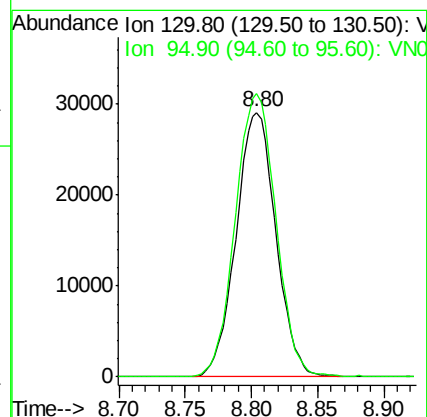
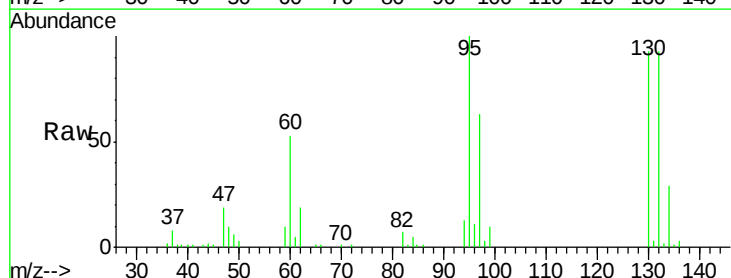
RT: 8.80 min Scan# 2197

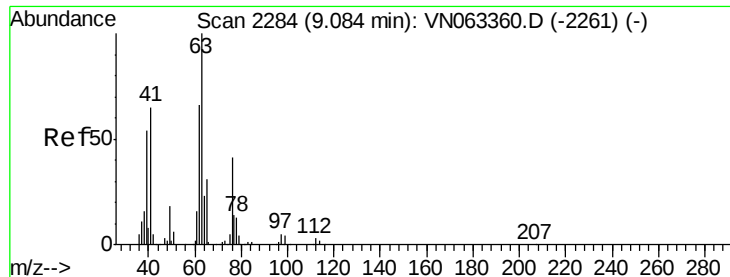
Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	130	Resp:	60700
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	217.4





#45

1,2-Dichloropropane

Concen: 19.958 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 63 Resp: 69285

Ion Ratio Lower Upper

63 100

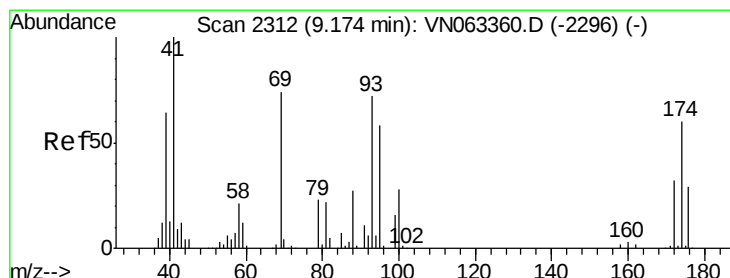
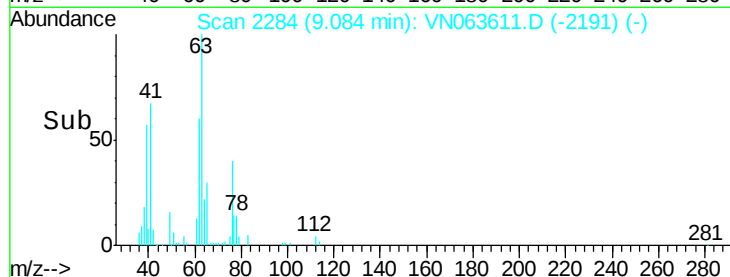
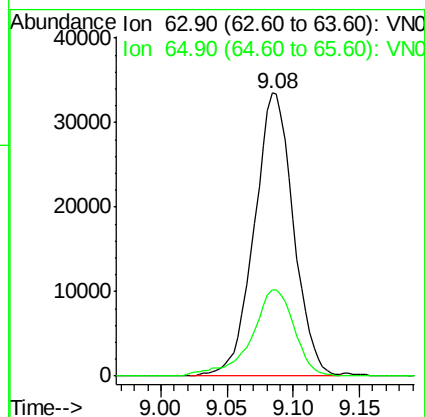
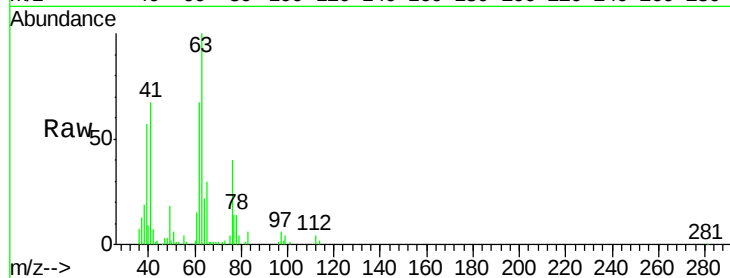
65 30.3 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.277 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

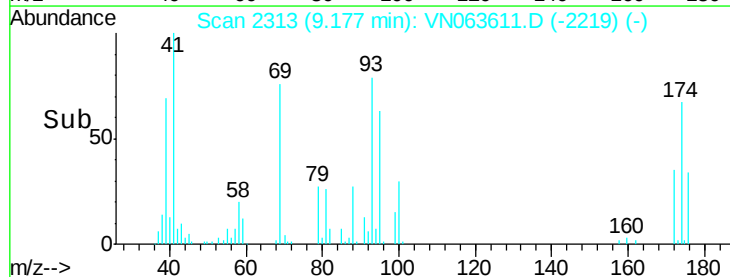
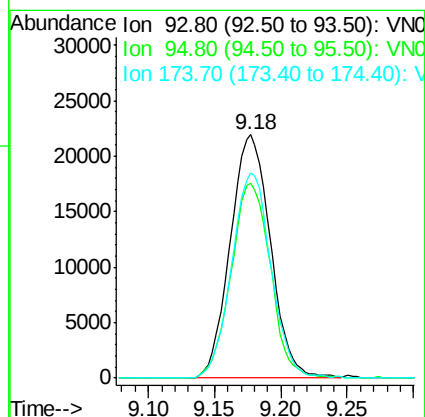
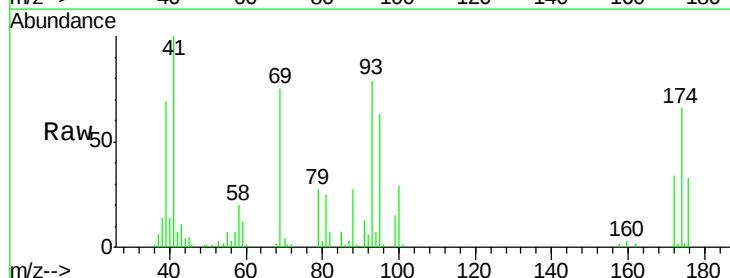
Tgt Ion: 93 Resp: 46266

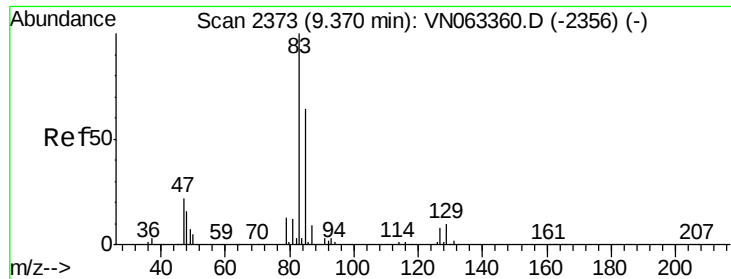
Ion Ratio Lower Upper

93 100

95 78.2 65.6 98.4

174 82.6 68.1 102.1





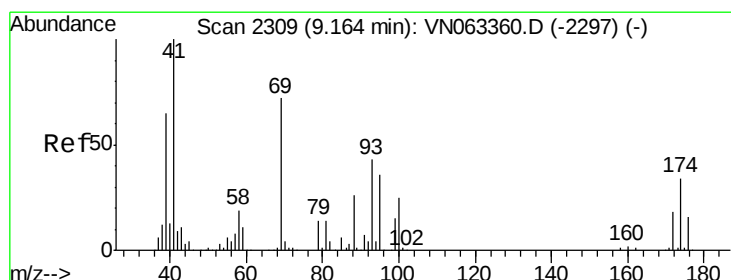
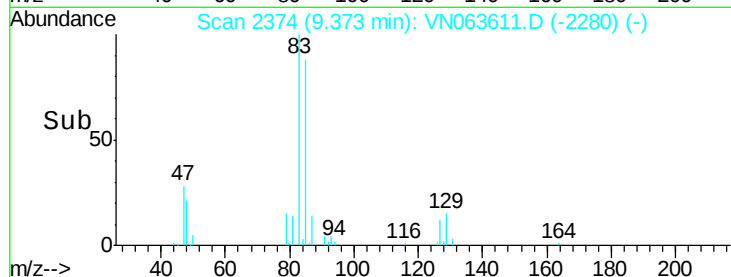
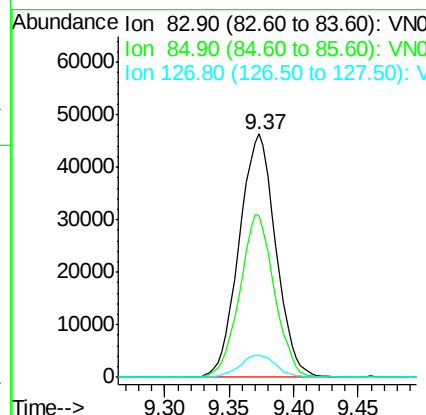
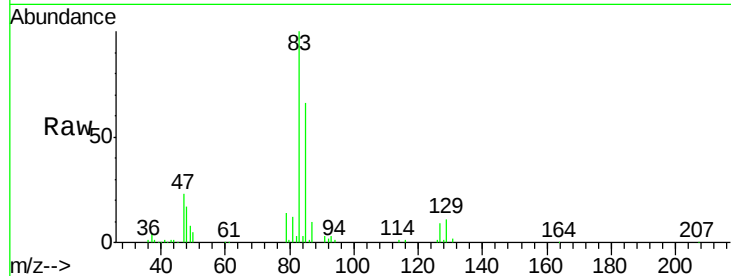
#47
Bromodichloromethane
Concen: 19.302 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	83	Resp	91495
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	51.0	76.6
127	9.0	6.3	9.5

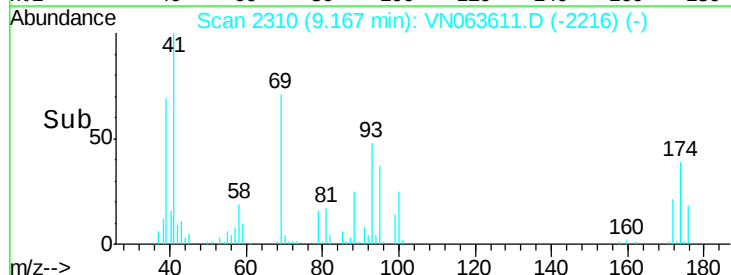
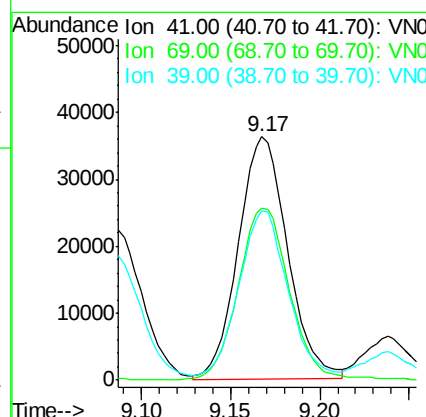
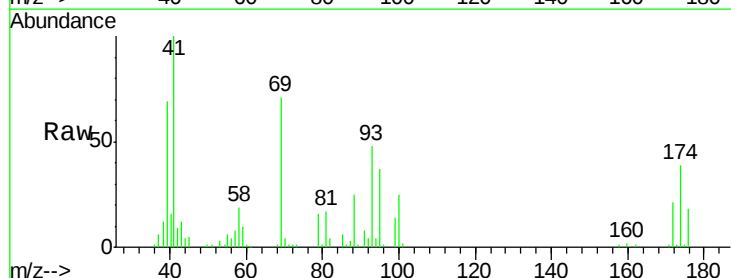
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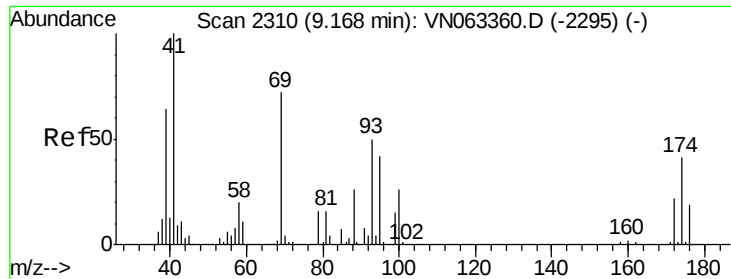
MMDadoda
9/24/2020 1:38:24 PM



#48
Methyl methacrylate
Concen: 18.154 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	41	Resp	69892
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	59.3	88.9
39	70.2	52.9	79.3





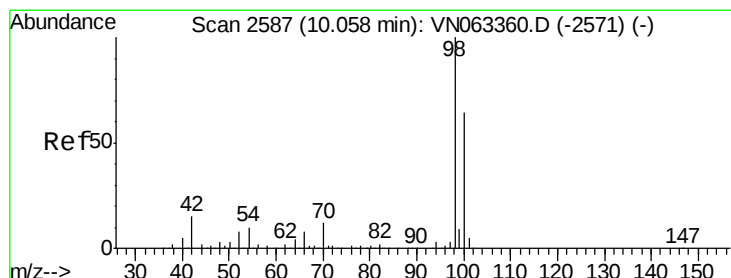
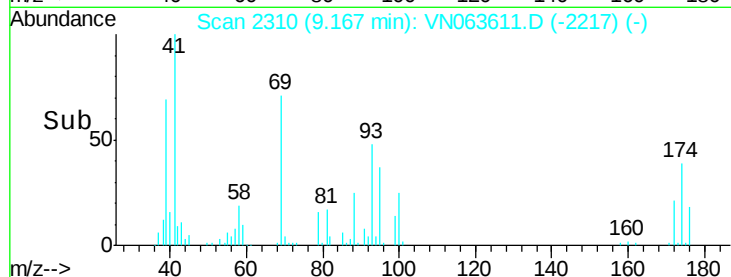
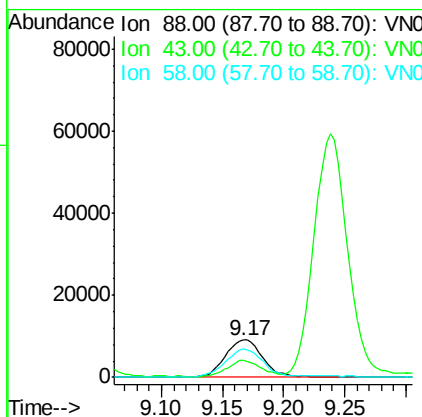
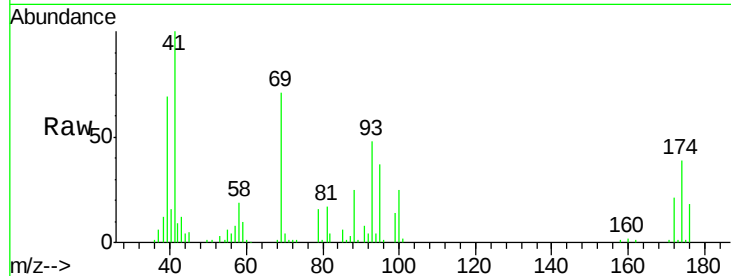
#49
1,4-Dioxane
Concen: 355.976 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	32.6	49.0
58	75.0	60.0	90.0

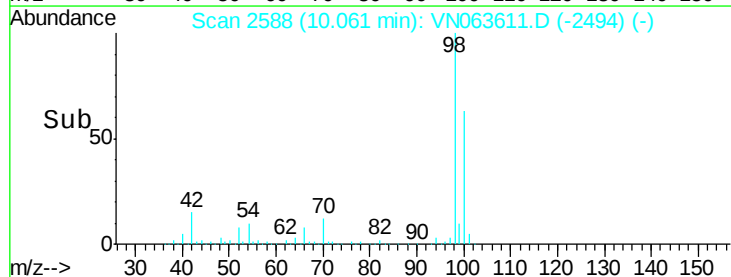
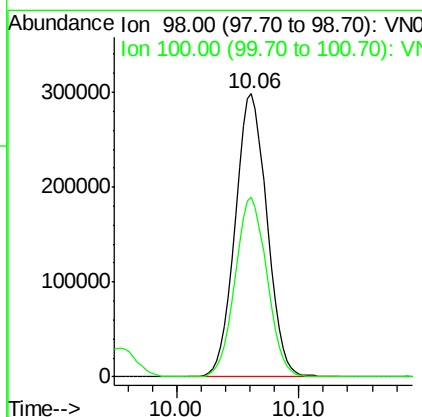
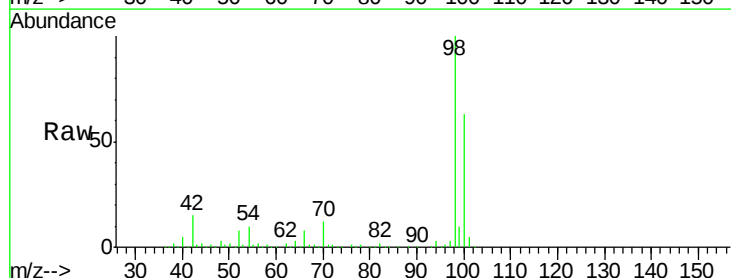
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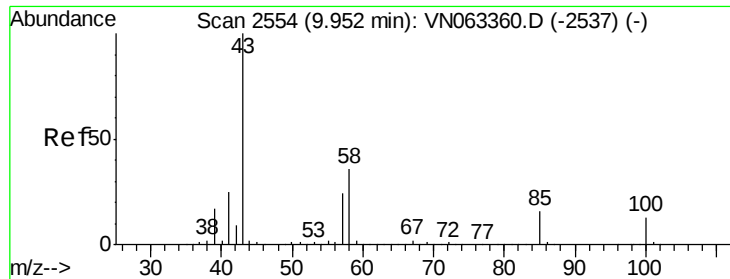
MMDadoda
9/24/2020 1:38:24 PM



#50
Toluene-d8
Concen: 49.361 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 98.142 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleID :

VN0923WBSD02

Tot Ion: 43 Resp: 430536

Ion Ratio Lower Upper

43 100

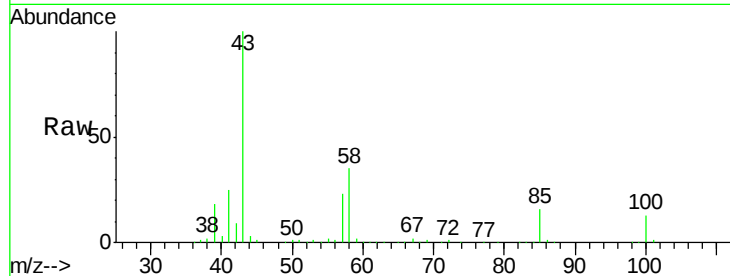
58 35.6 29.0 43.6

Manual Integrations

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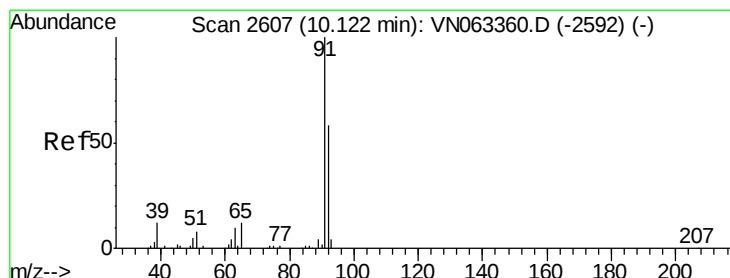
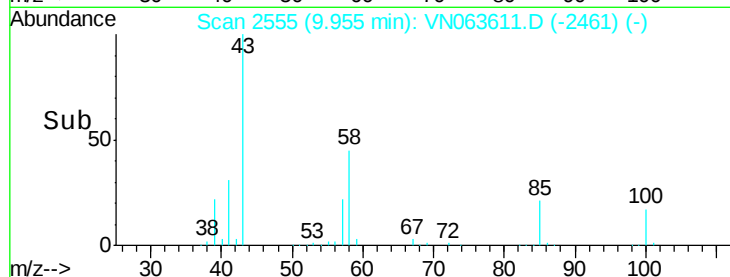
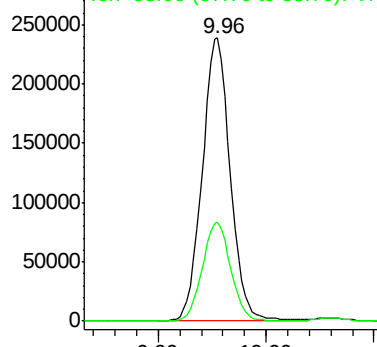
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.009 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063611.D

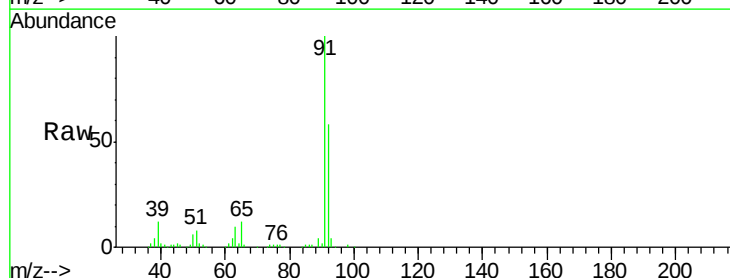
Acq: 24 Sep 2020 1:17

Tgt Ion: 92 Resp: 153337

Ion Ratio Lower Upper

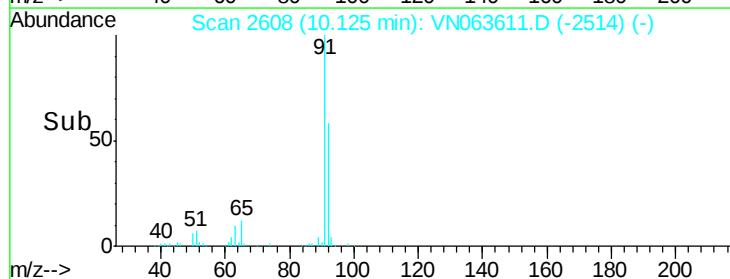
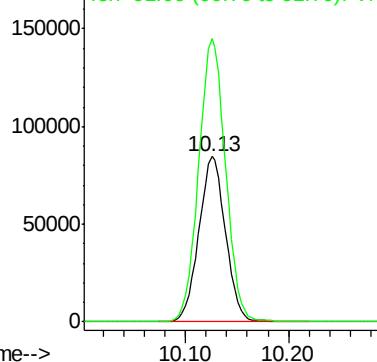
92 100

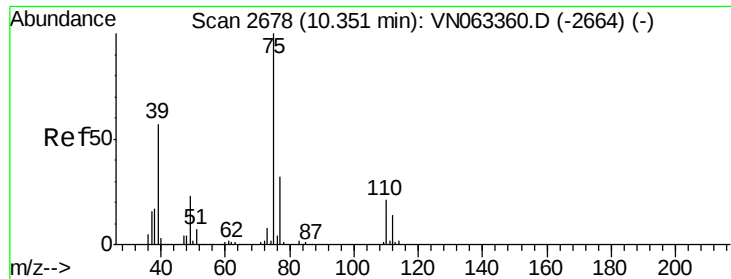
91 172.1 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





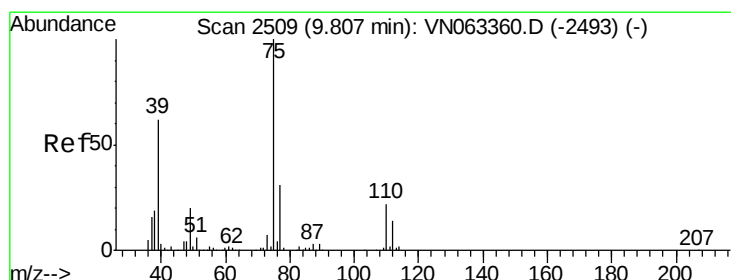
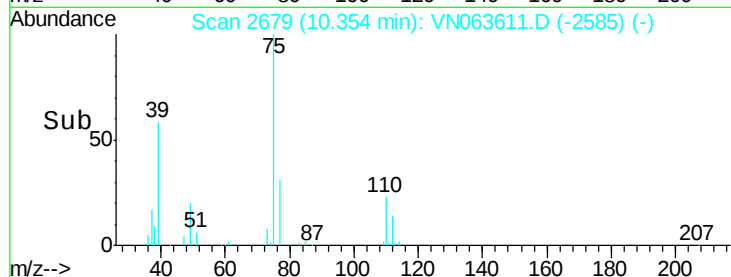
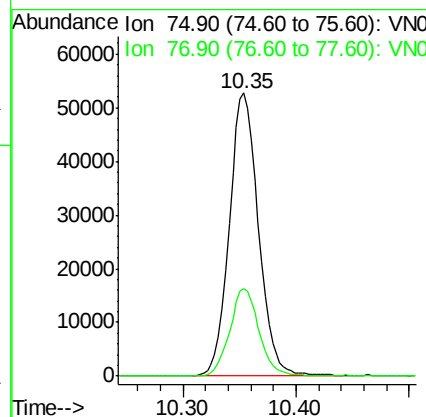
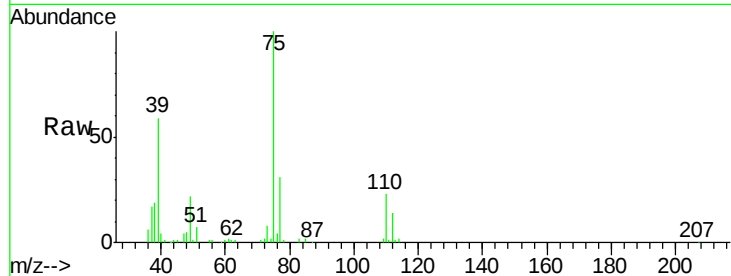
#53
t-1,3-Dichloropropene
Concen: 17.869 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 75 Resp: 94561
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

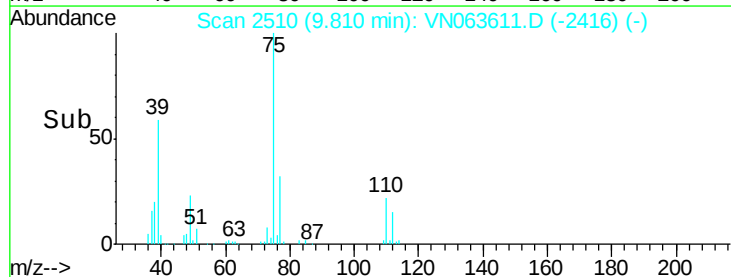
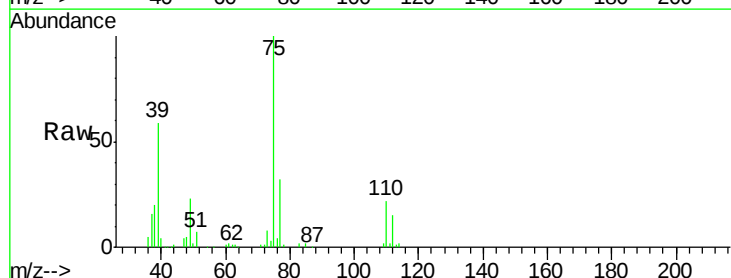
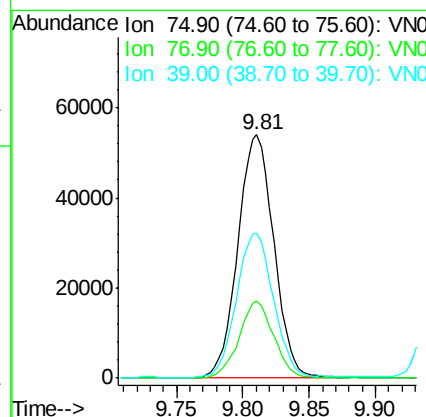
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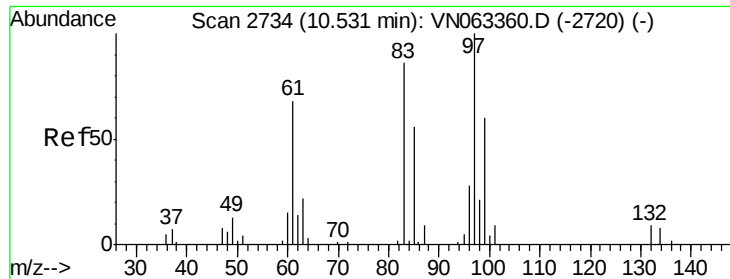
MMDadoda
9/24/2020 1:38:24 PM



#54
cis-1,3-Dichloropropene
Concen: 18.266 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion: 75 Resp: 101956
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0
39 59.0 49.8 74.8





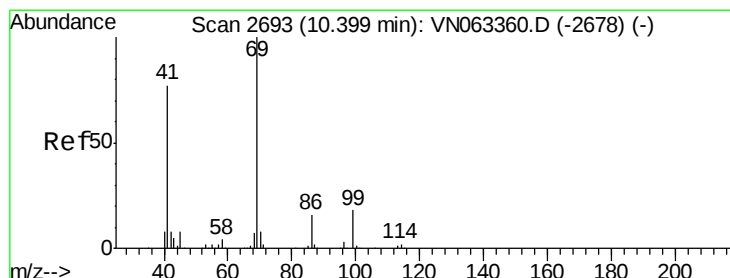
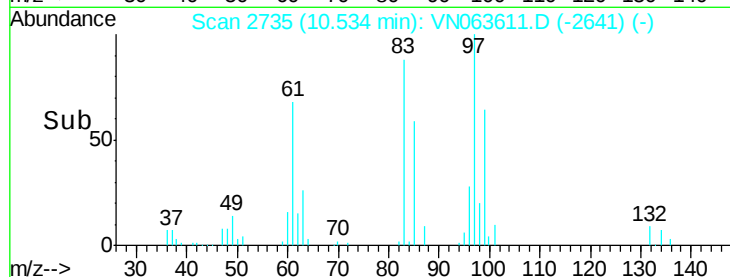
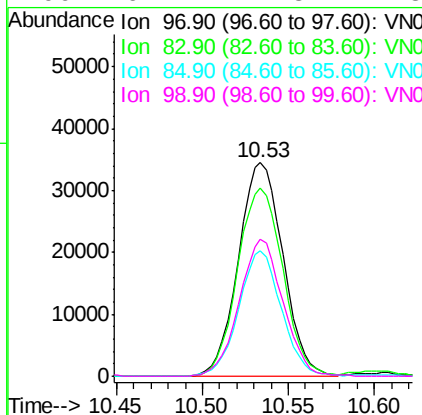
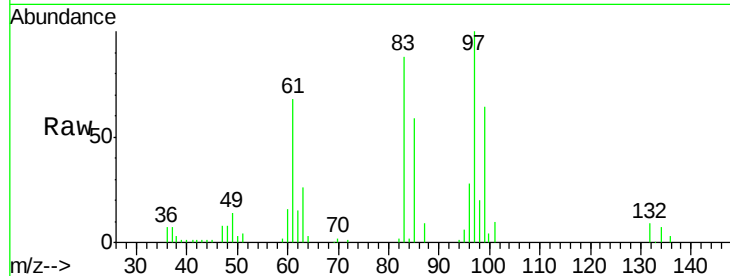
#55
 1,1,2-Trichloroethane
 Concen: 20.439 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion:	97	Resp:	62215
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	59.0	44.8	67.2
99	64.2	47.8	71.8

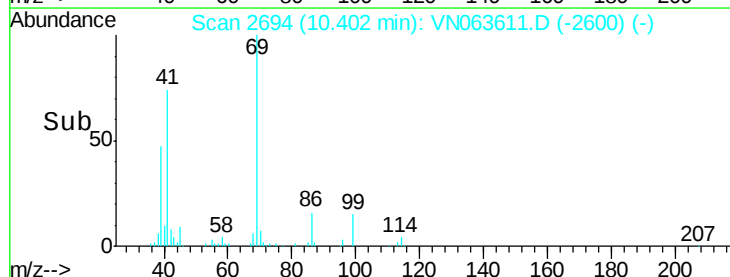
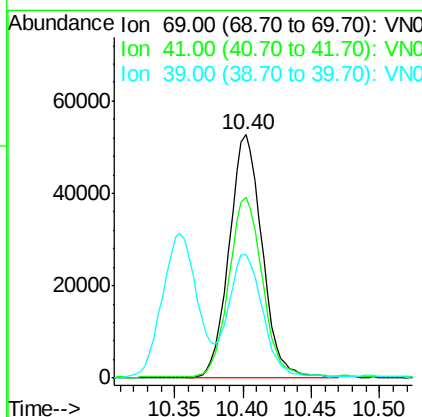
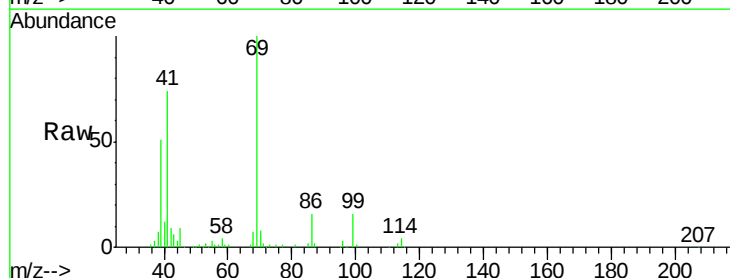
Manual Integrations
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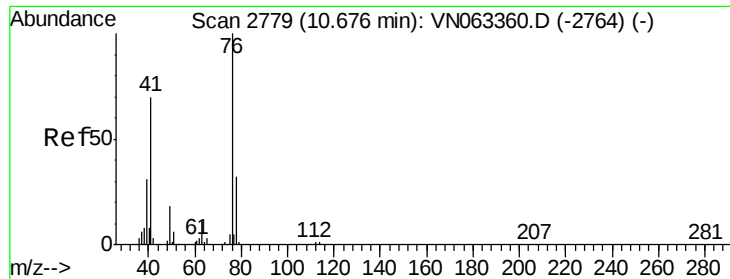
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#56
 Ethyl methacrylate
 Concen: 18.702 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion:	69	Resp:	88873
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.0	91.6
39	50.3	39.2	58.8





#57

1,3-Dichloropropane

Concen: 19.671 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion: 76 Resp: 107981

Ion Ratio Lower Upper

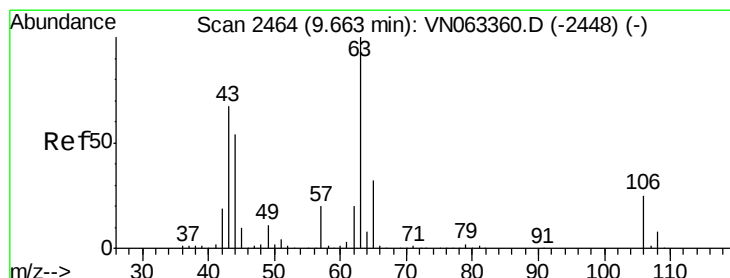
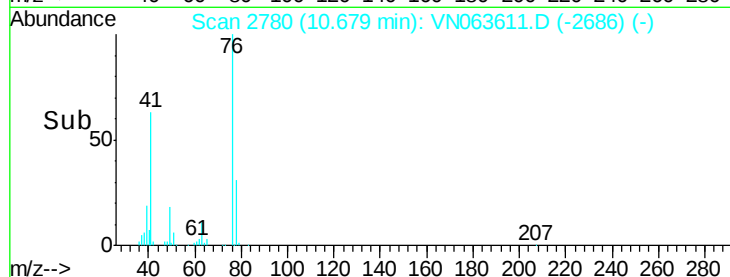
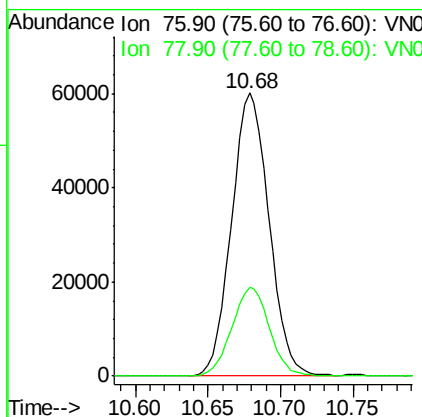
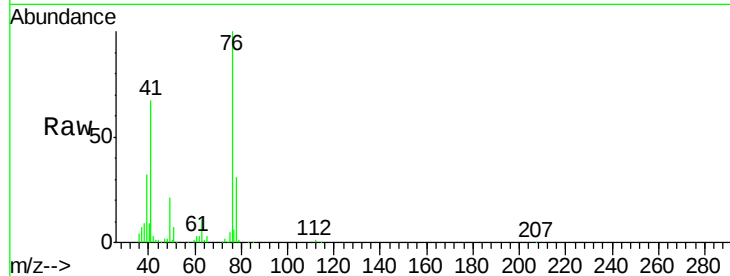
76 100

78 31.4 25.8 38.8

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 95.575 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN063611.D

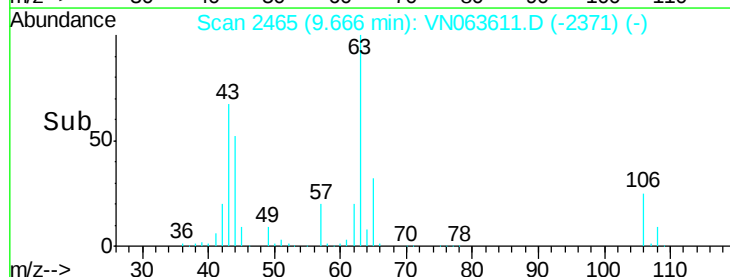
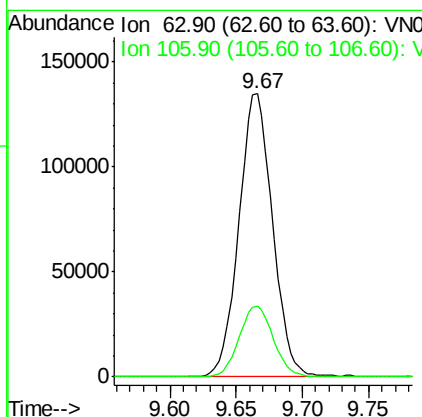
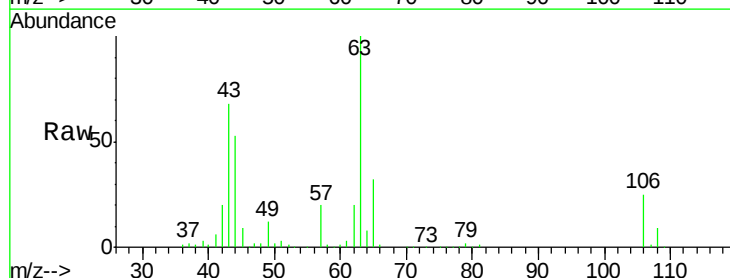
Acq: 24 Sep 2020 1:17

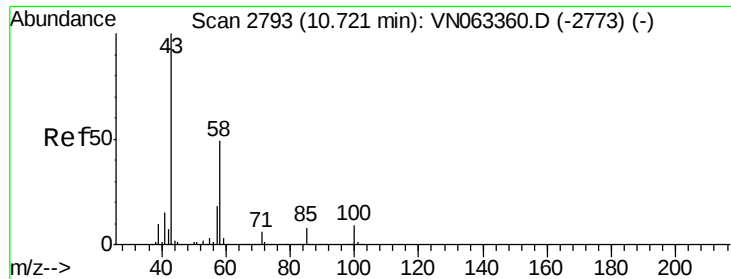
Tgt Ion: 63 Resp: 238248

Ion Ratio Lower Upper

63 100

106 25.2 19.5 29.3





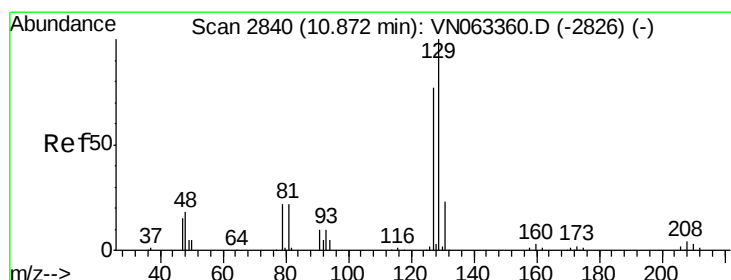
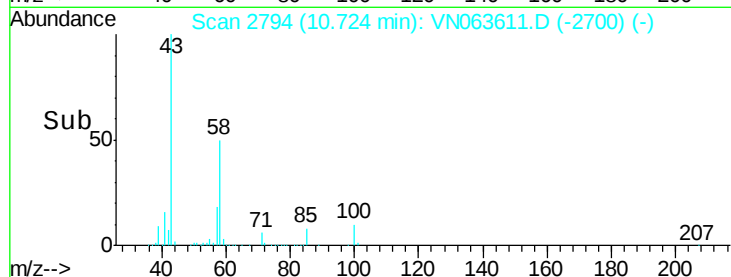
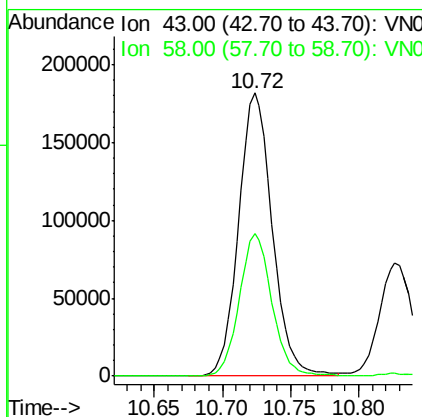
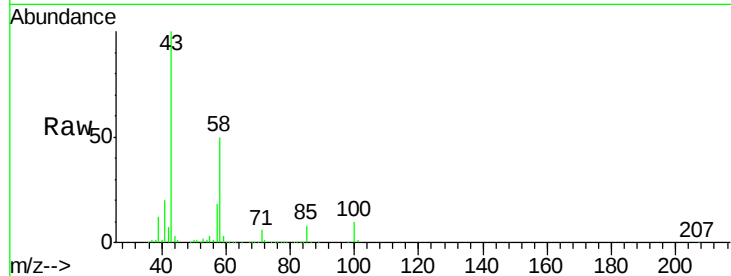
#59
2-Hexanone
Concen: 97.463 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion: 43 Resp: 309755
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

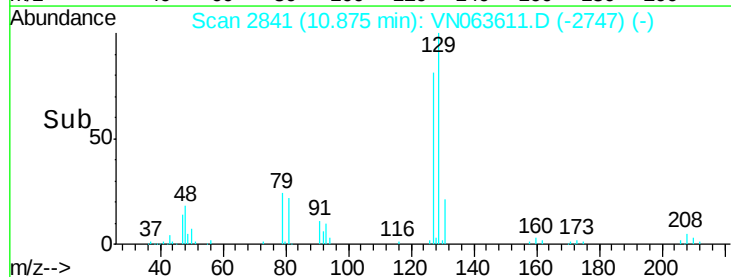
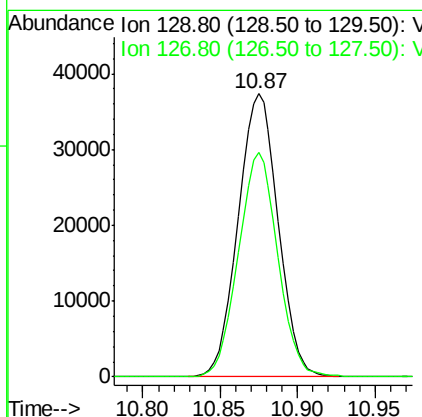
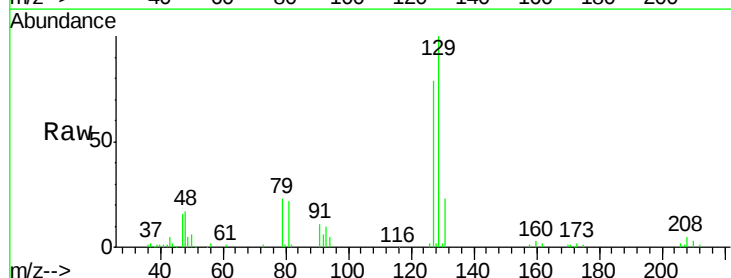
Manual Integrations
APPROVED

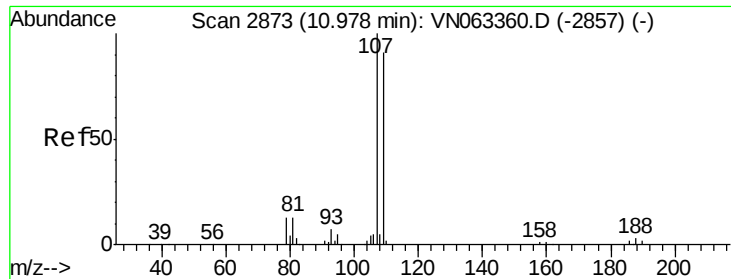
MMDadoda
9/24/2020 1:38:24 PM



#60
Dibromochloromethane
Concen: 19.506 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion: 129 Resp: 67077
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





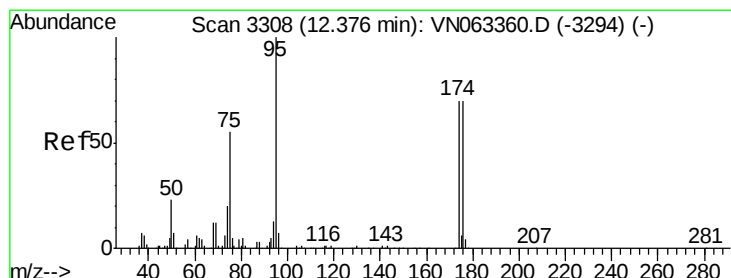
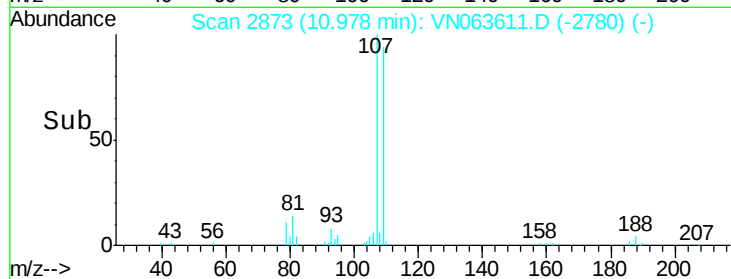
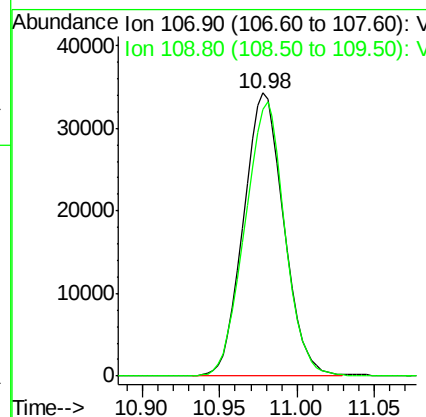
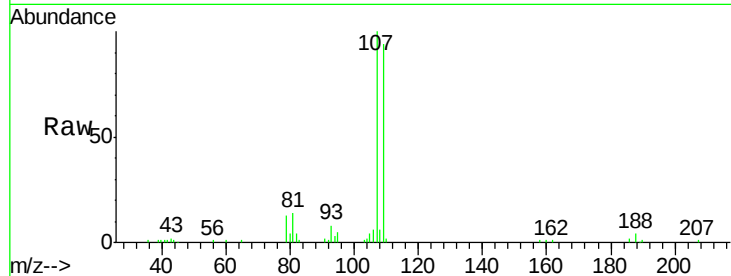
#61
 1,2-Dibromoethane
 Concen: 19.686 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.6	111.8

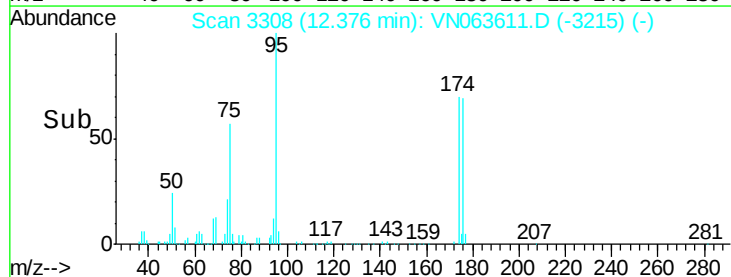
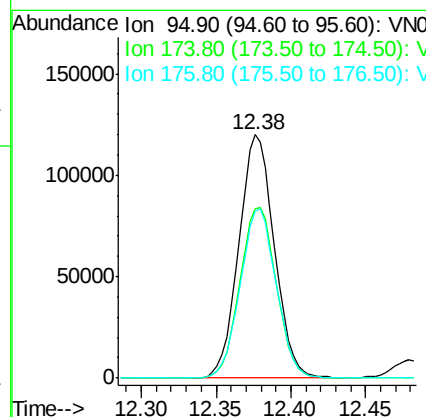
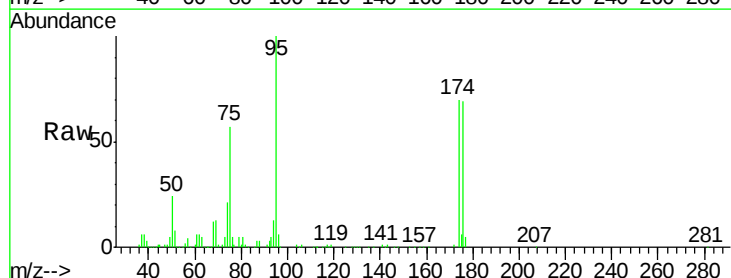
Manual Integrations
 APPROVED

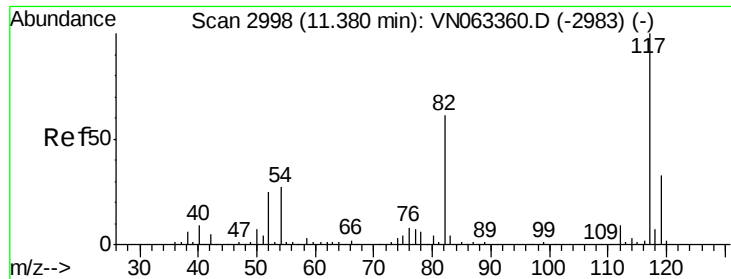
MMDadoda
 9/24/2020 1:38:24 PM



#62
 4-Bromofluorobenzene
 Concen: 49.438 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	140.8
176	70.8	0.0	137.6





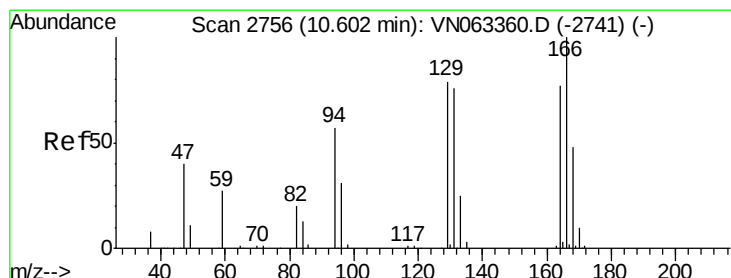
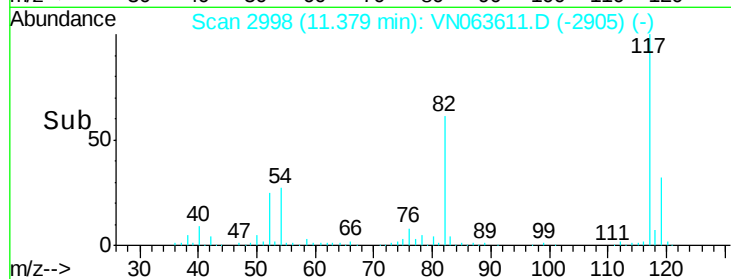
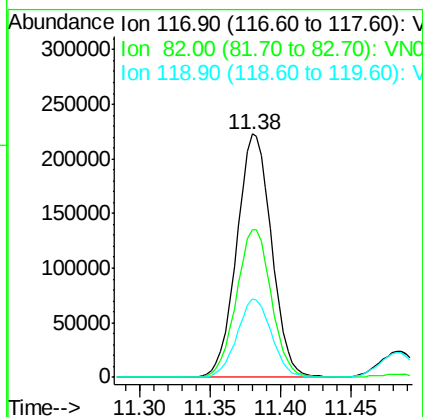
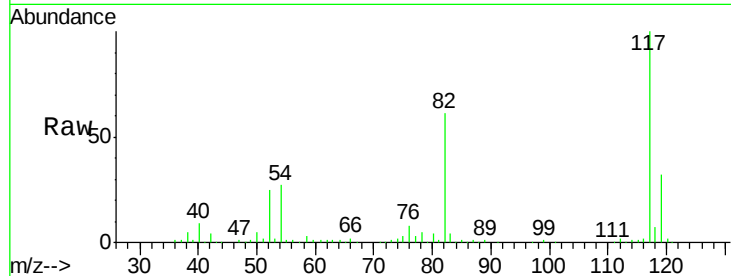
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.2	73.8
119	32.2	26.2	39.4

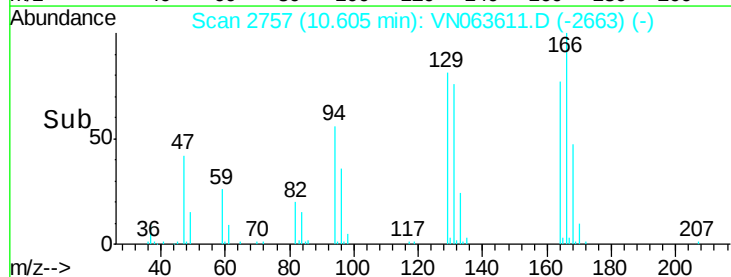
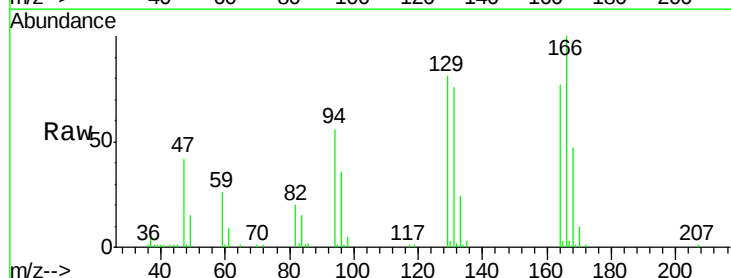
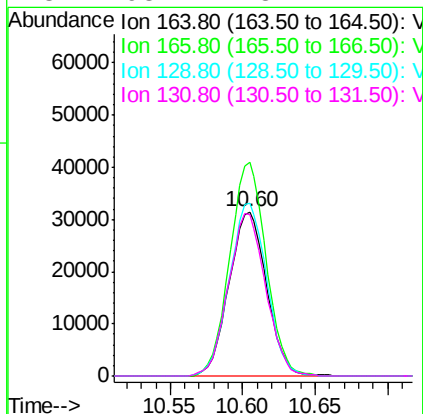
Manual Integrations
APPROVED

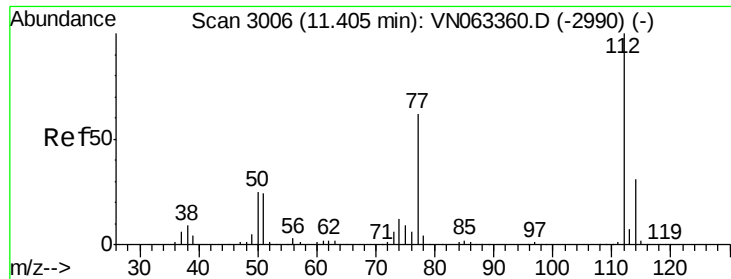
MMDadoda
9/24/2020 1:38:24 PM



#64
Tetrachloroethene
Concen: 21.509 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.4	155.0
129	105.0	81.8	122.6
131	98.4	78.2	117.4





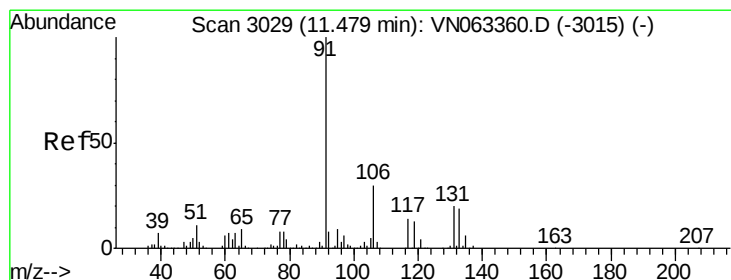
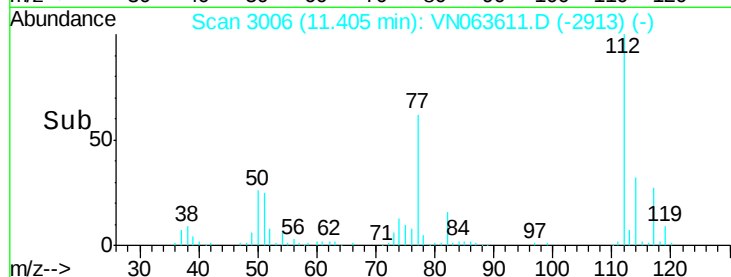
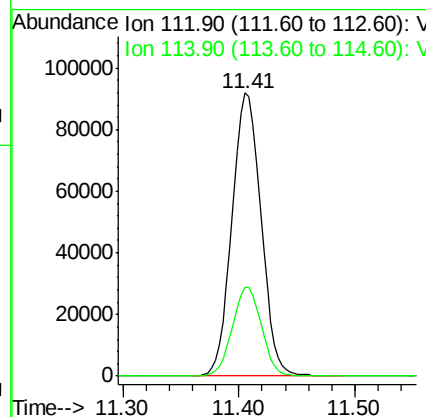
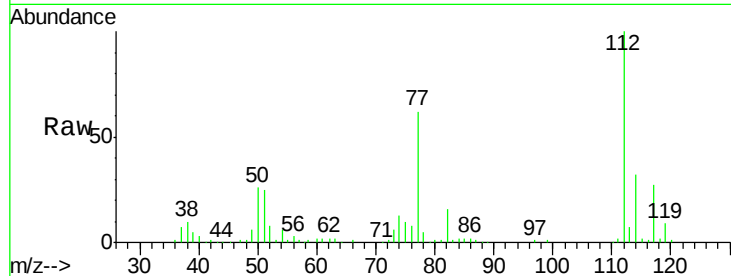
#65
Chlorobenzene
Concen: 19.373 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD02

Tot Ion:112 Resp: 158931
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

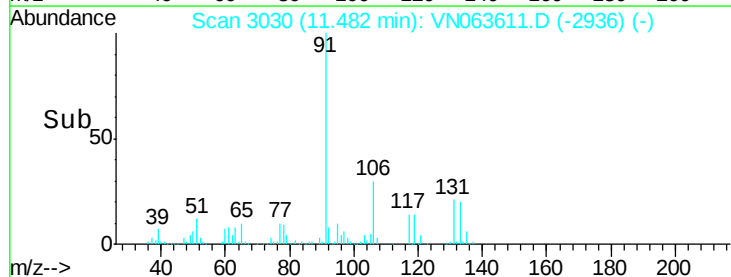
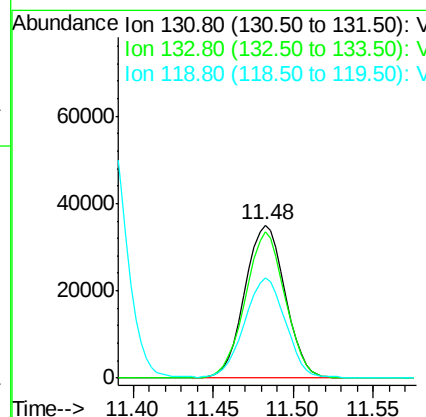
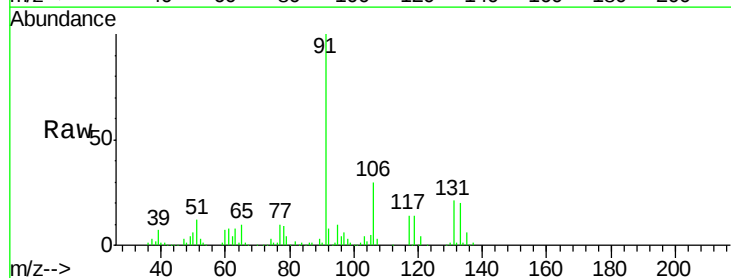
Manual Integrations
APPROVED

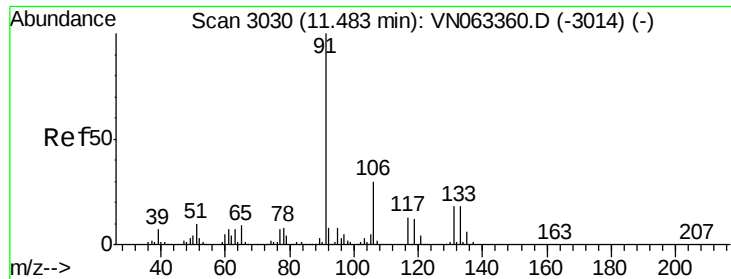
MMDadoda
9/24/2020 1:38:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.109 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion:131 Resp: 60470
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 66.7 33.6 100.8





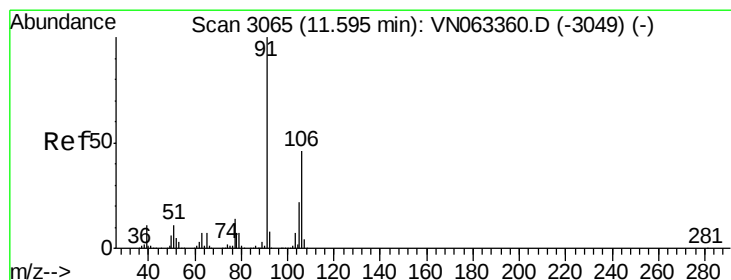
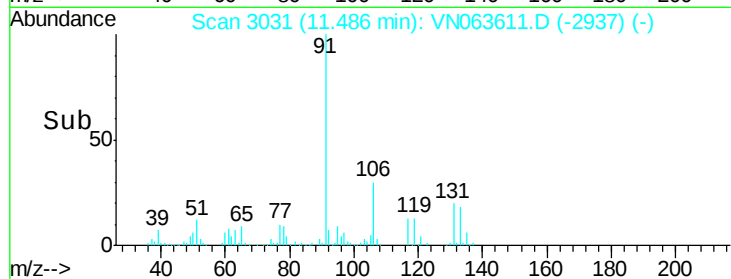
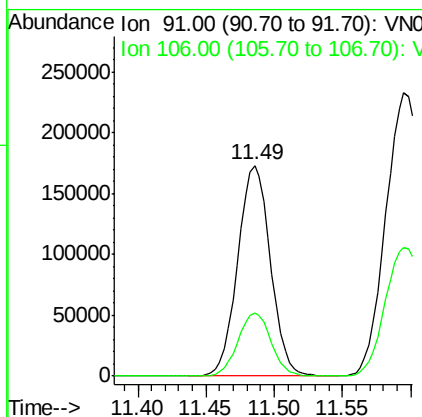
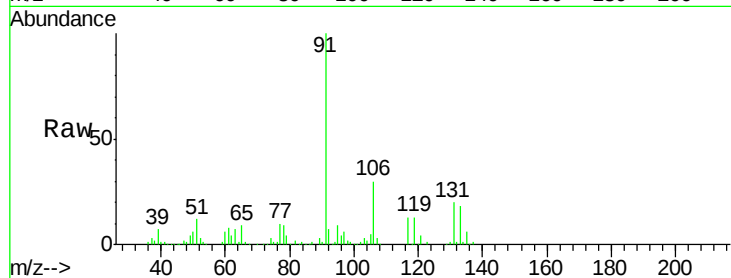
#67
Ethyl Benzene
Concen: 18.689 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6

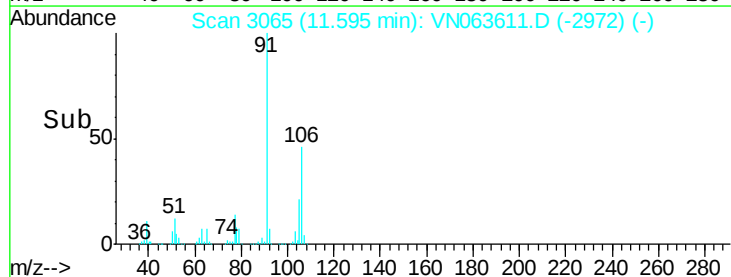
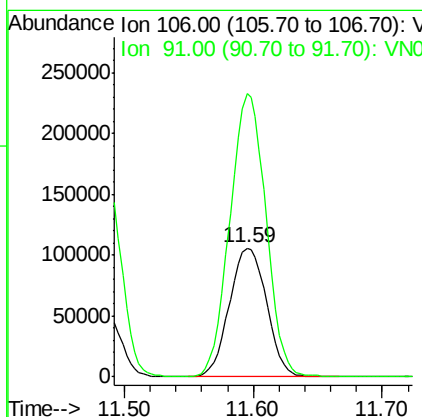
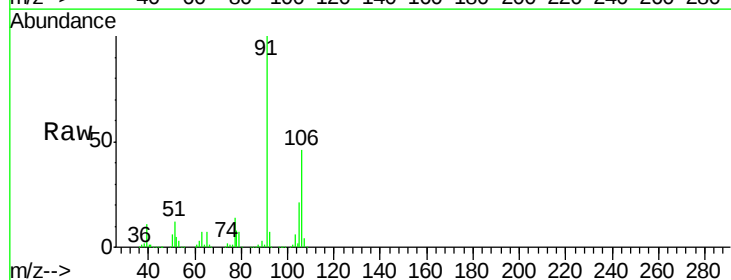
Manual Integrations
APPROVED

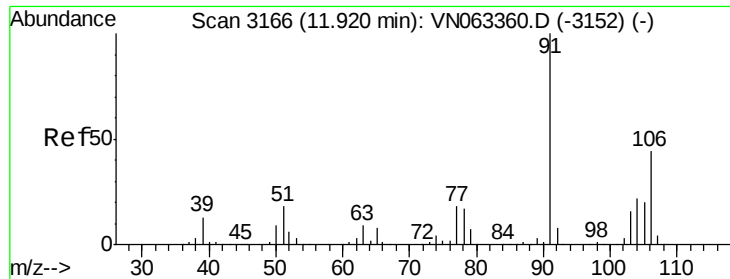
MMDadoda
9/24/2020 1:38:24 PM



#68
m/p-Xylenes
Concen: 38.073 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.0	171.2	256.8





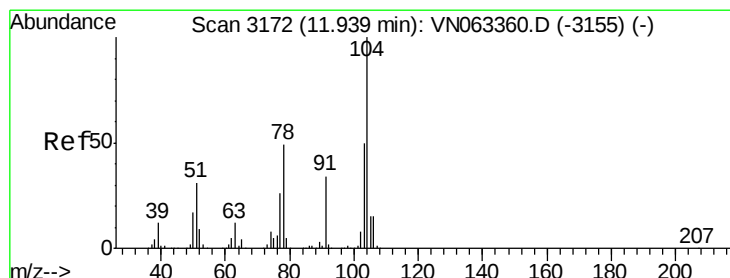
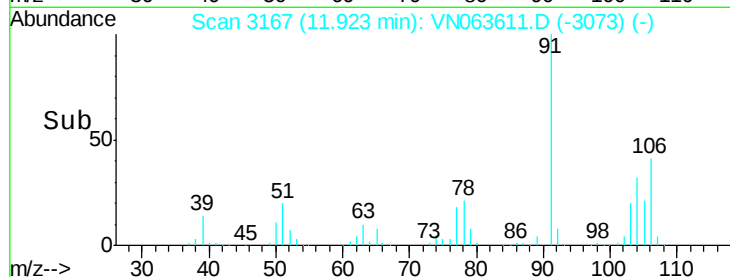
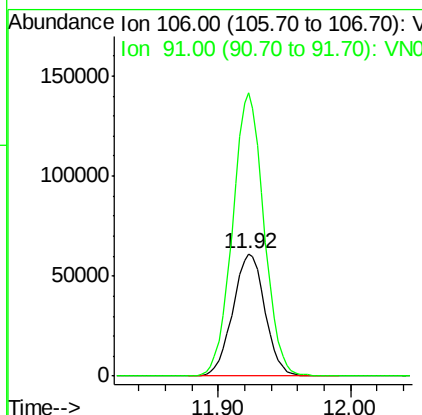
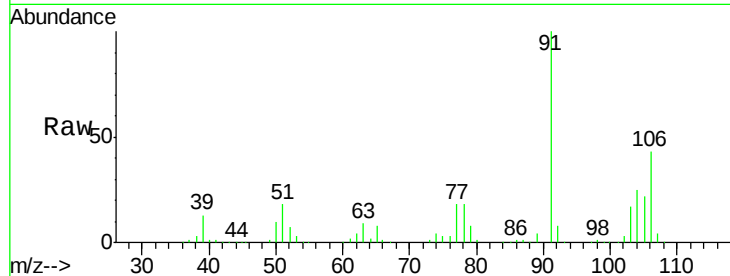
#69
o-Xylene
Concen: 19.370 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion:106 Resp: 102777
Ion Ratio Lower Upper
106 100
91 225.8 113.6 340.8

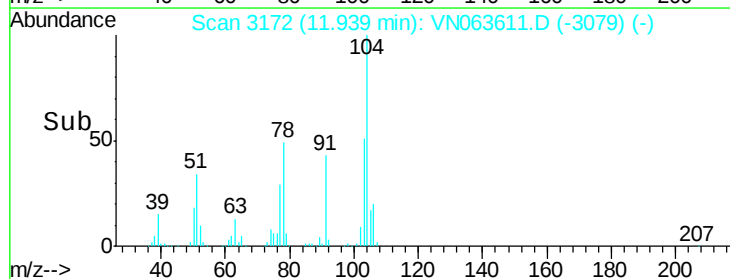
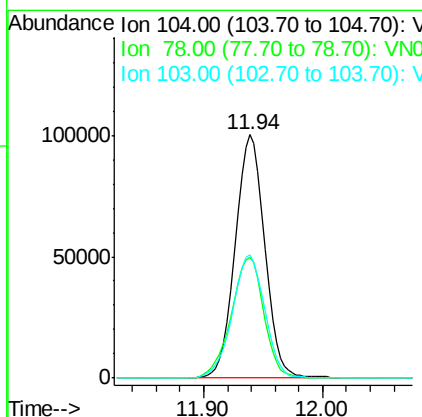
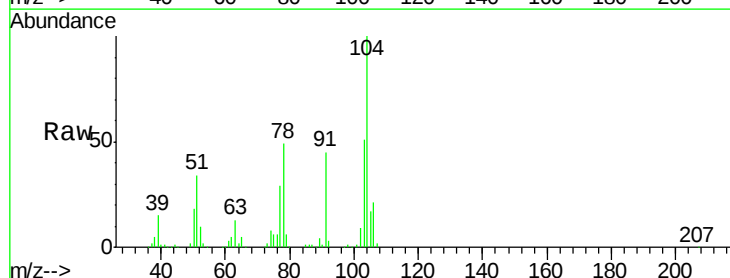
Manual Integrations
APPROVED

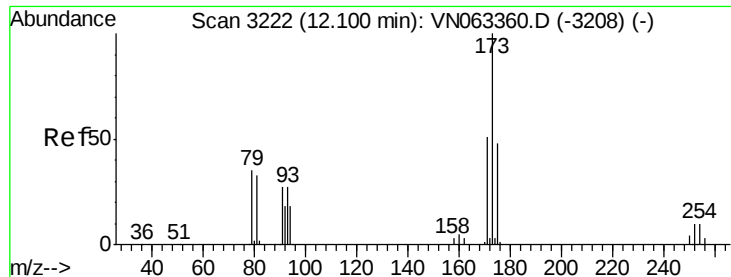
MMDadoda
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#70
Styrene
Concen: 19.437 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion:104 Resp: 172956
Ion Ratio Lower Upper
104 100
78 54.8 44.4 66.6
103 55.4 43.7 65.5





#71

Bromoform

Concen: 19.062 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:173 Resp: 42703

Ion Ratio Lower Upper

173 100

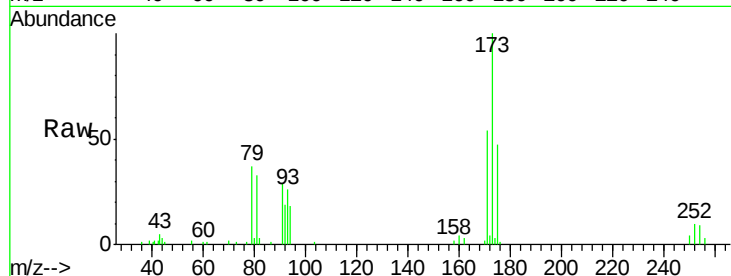
175 46.7 24.0 72.0

254 0.0 0.0 0.0

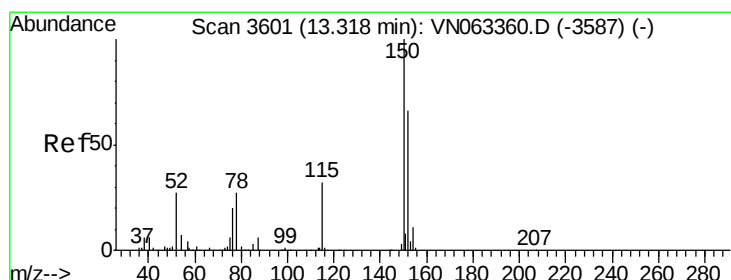
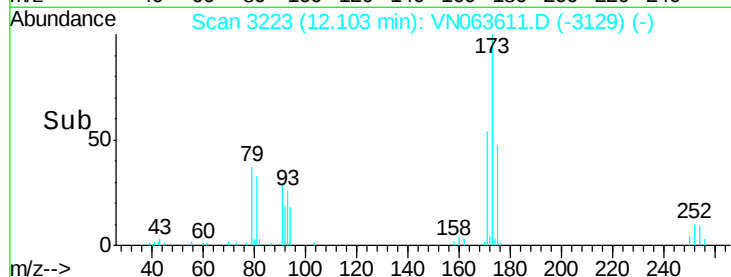
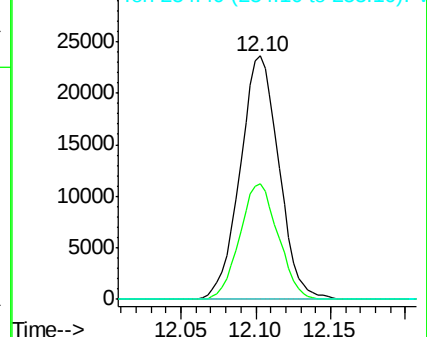
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

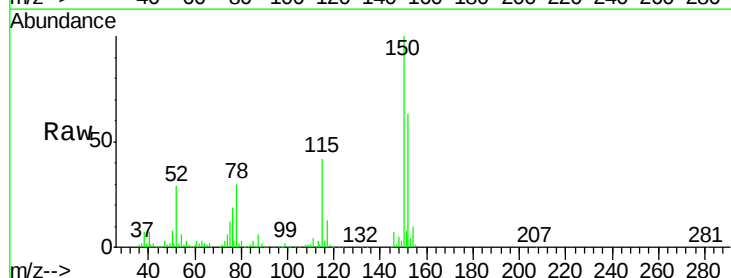
Tgt Ion:152 Resp: 182518

Ion Ratio Lower Upper

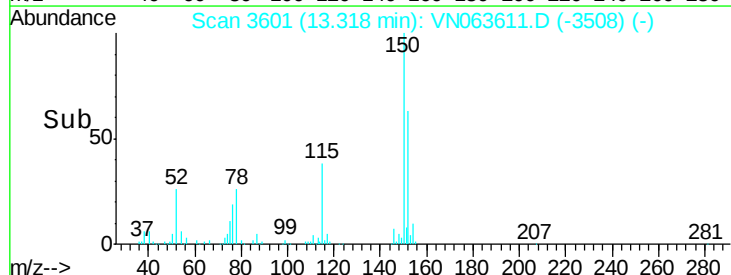
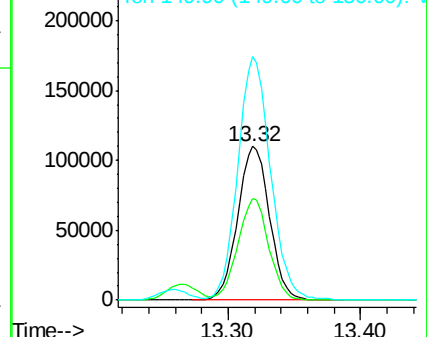
152 100

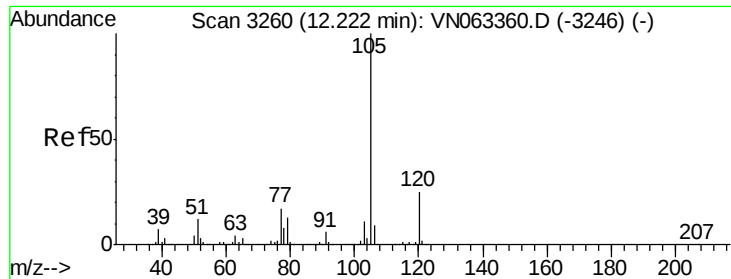
115 64.5 32.2 96.6

150 162.8 0.0 343.4



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





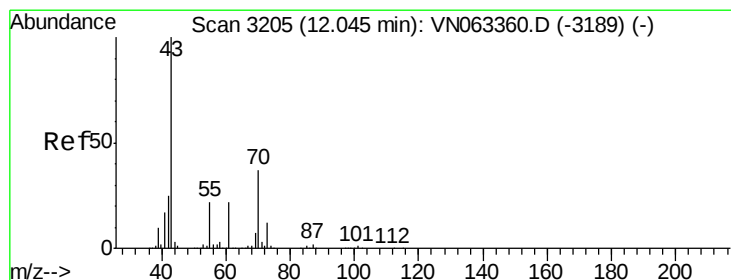
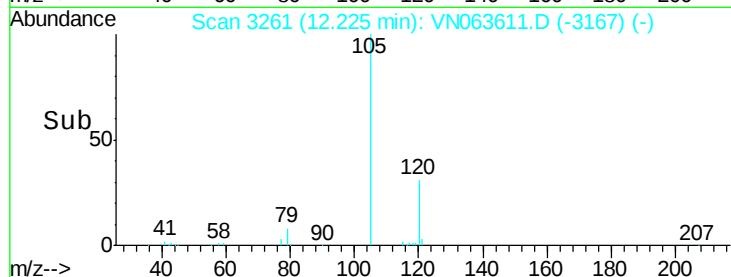
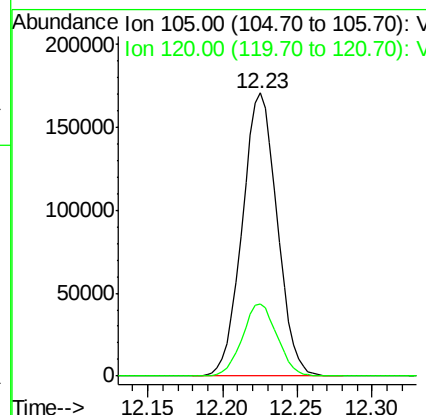
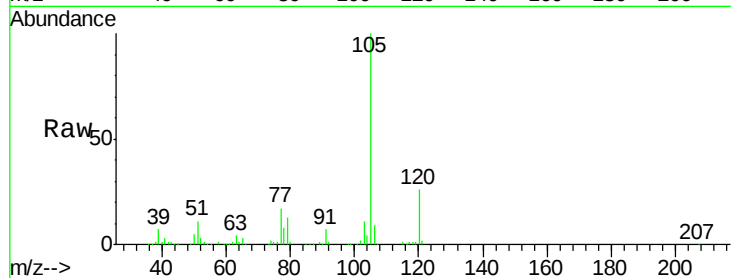
#73
Isopropylbenzene
Concen: 18.929 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.7	38.0

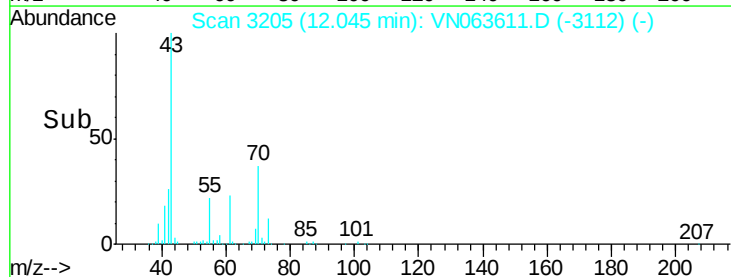
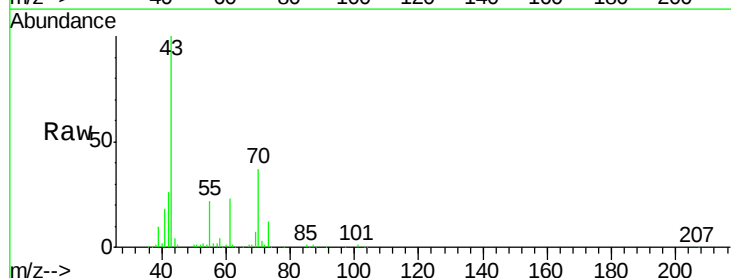
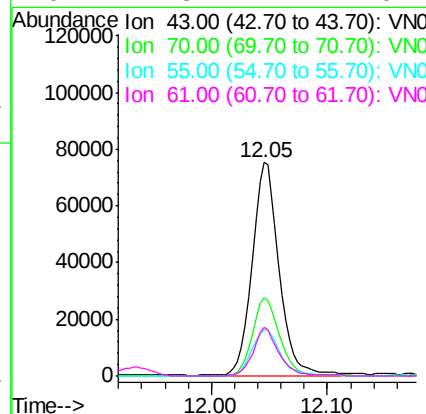
Manual Integrations
APPROVED

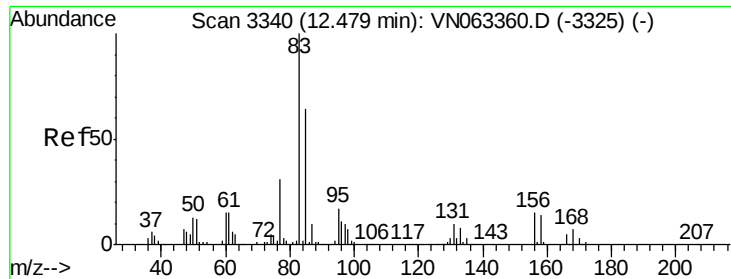
MMDadoda
9/24/2020 1:38:24 PM



#74
N-ethyl acetate
Concen: 17.774 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.8	29.6	44.4
55	22.9	17.7	26.5
61	21.3	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.911 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

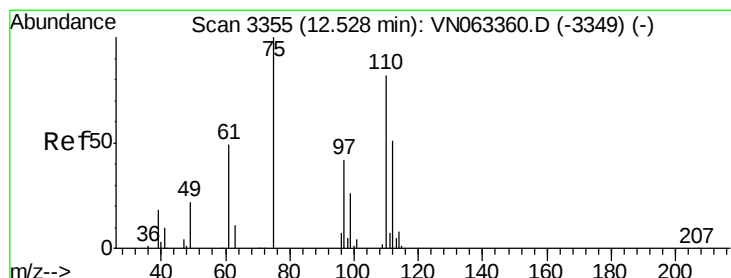
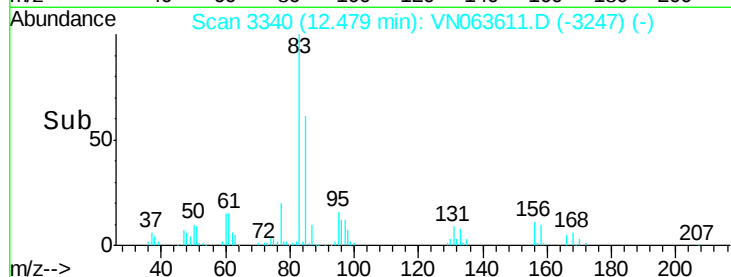
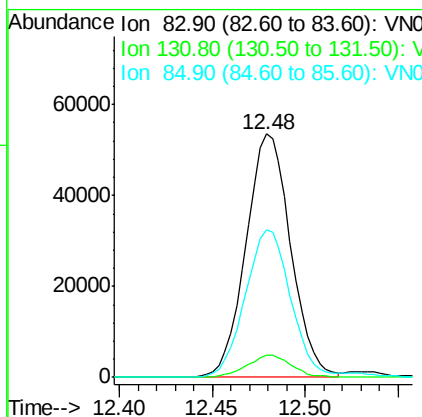
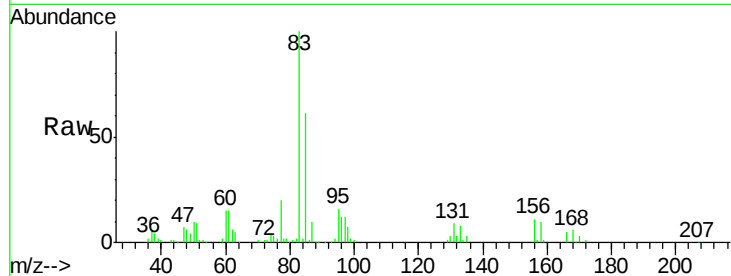
ClientSampleId :

VN0923WBSD02

Tot Ion:	83	Resp:	90171
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.802 ug/l m

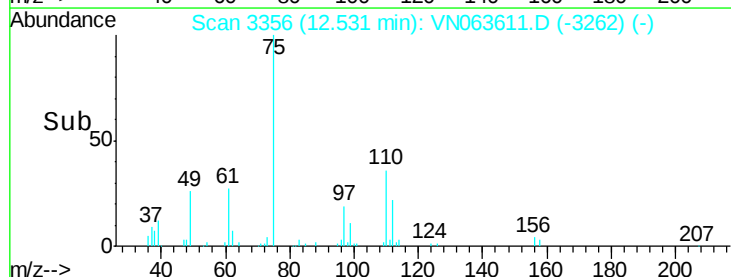
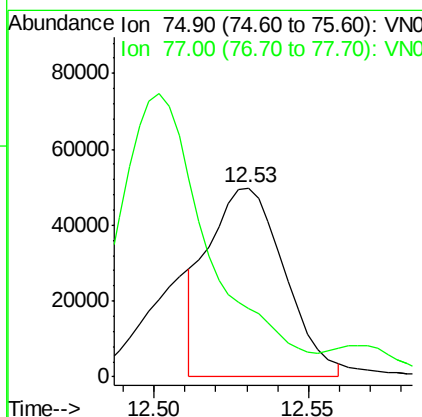
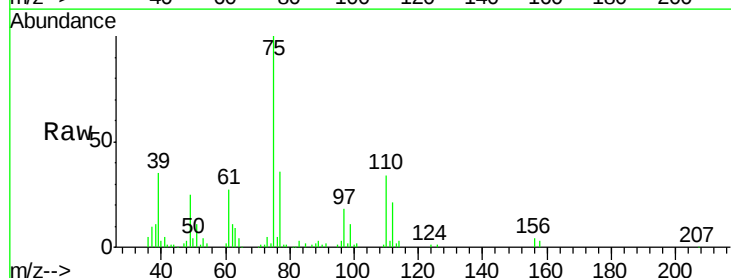
RT: 12.53 min Scan# 3356

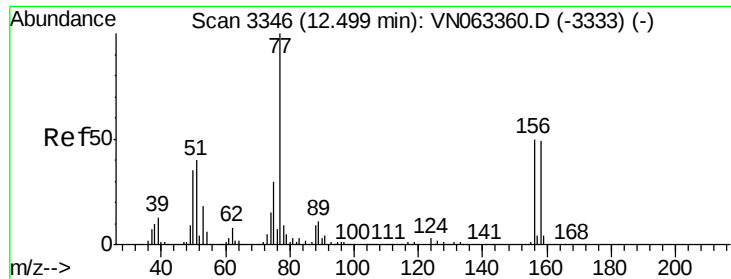
Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	75	Resp:	84939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.132 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:156 Resp: 66233

Ion Ratio Lower Upper

156 100

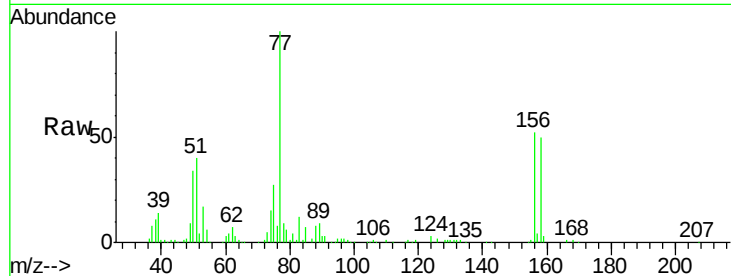
77 232.6 120.2 360.6

158 96.4 48.9 146.6

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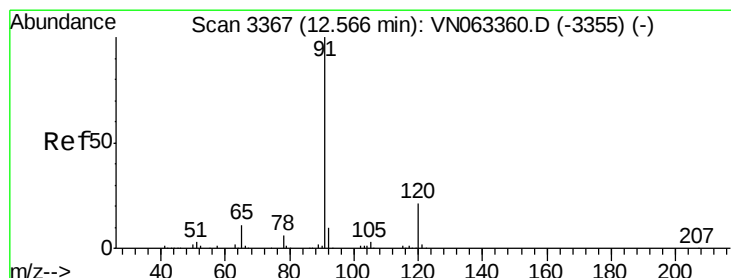
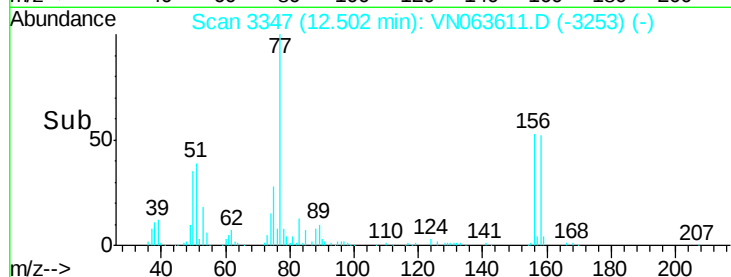
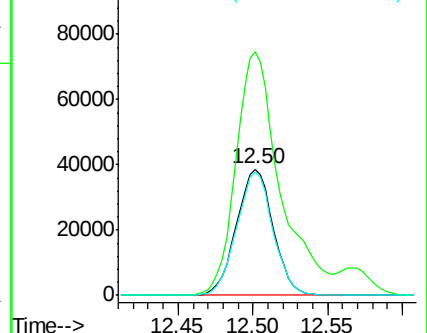
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.977 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063611.D

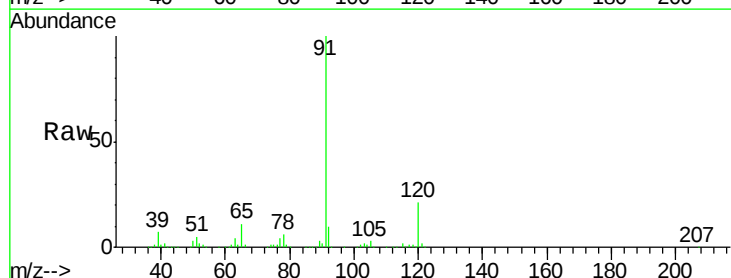
Acq: 24 Sep 2020 1:17

Tgt Ion: 91 Resp: 323278

Ion Ratio Lower Upper

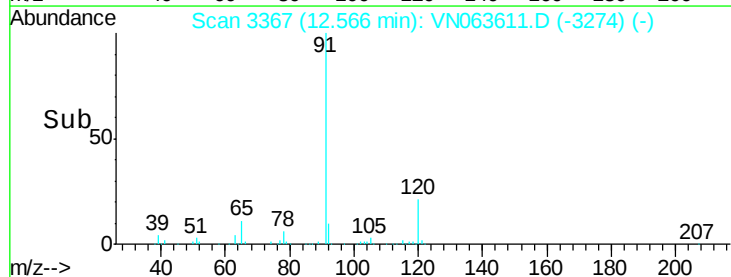
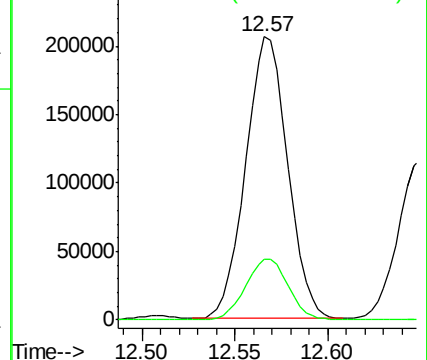
91 100

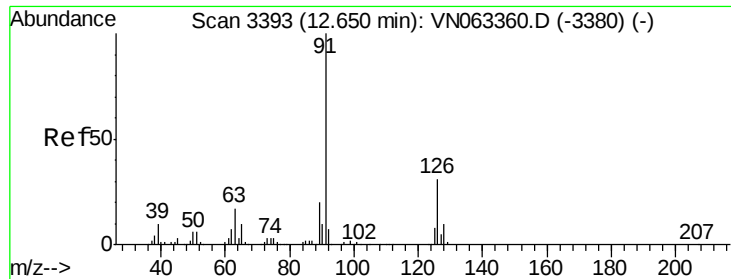
120 22.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.972 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD02

Tot Ion: 91 Resp: 193741

Ion Ratio Lower Upper

91 100

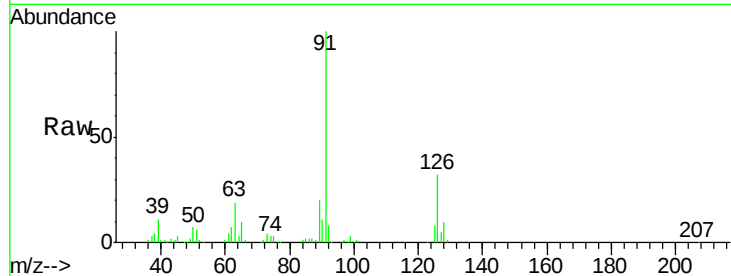
126 32.2 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

200000

150000

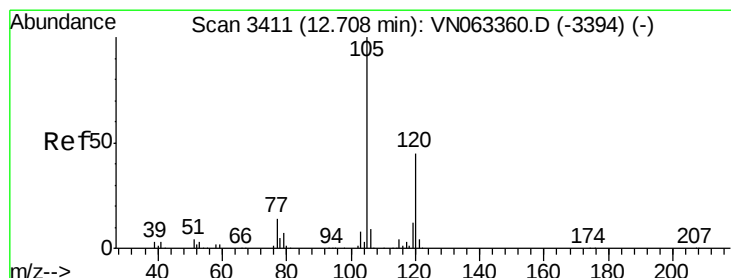
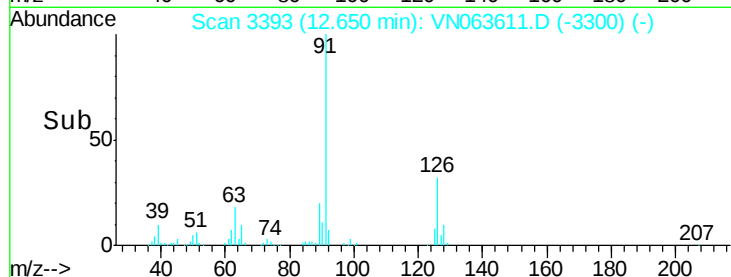
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.261 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063611.D

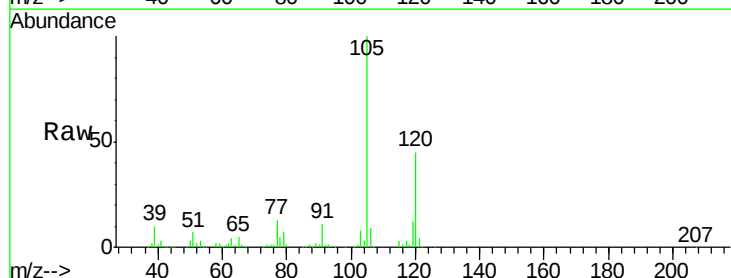
Acq: 24 Sep 2020 1:17

Tgt Ion: 105 Resp: 234905

Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

150000

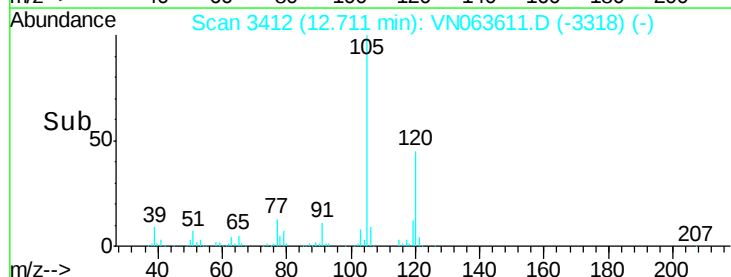
100000

50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.418 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

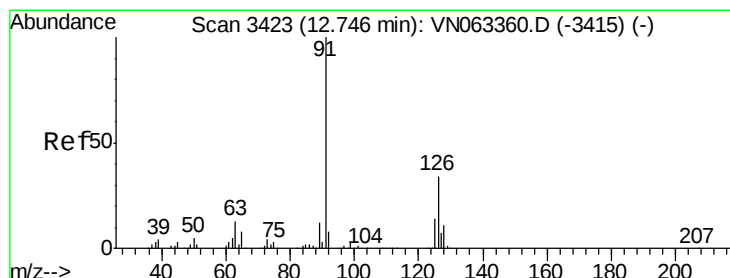
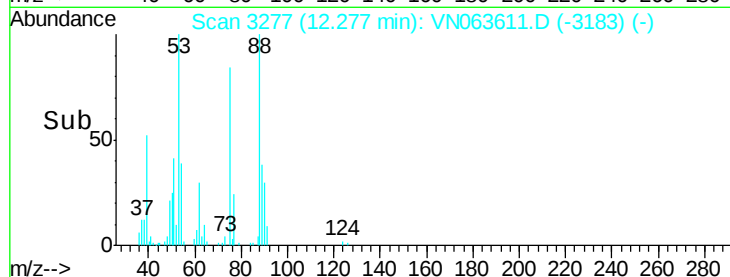
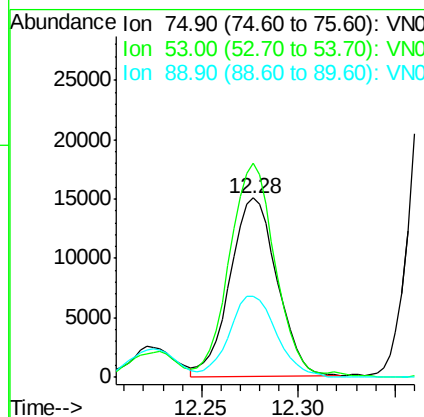
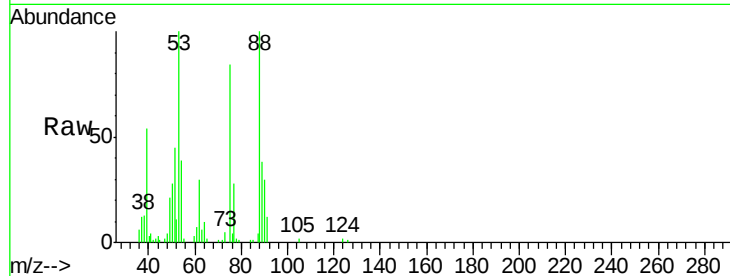
ClientSampleId :

VN0923WBSD02

Tot Ion:	75	Resp:	25405
Ion	Ratio	Lower	Upper
75	100		
53	118.1	85.7	128.5
89	46.0	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.905 ug/l

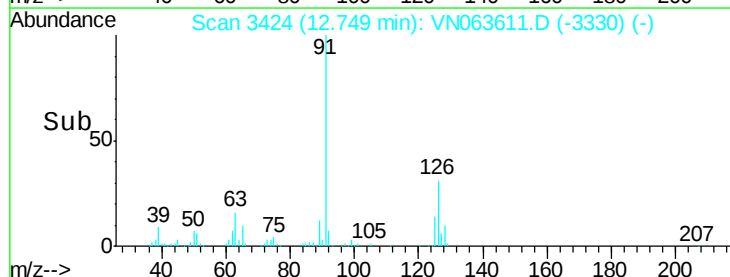
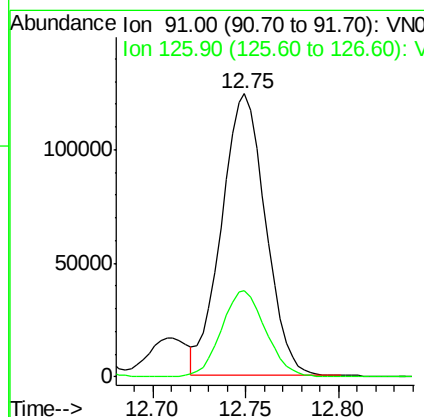
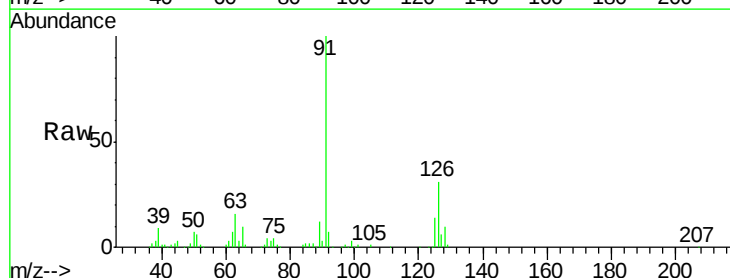
RT: 12.75 min Scan# 3424

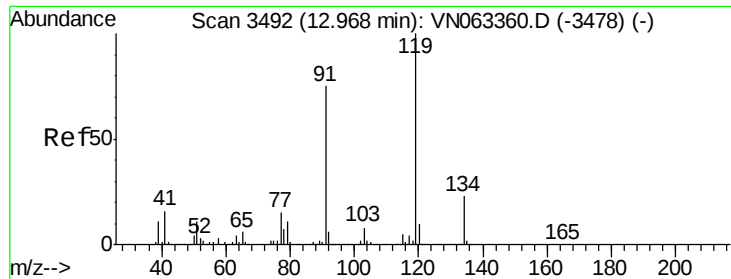
Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	91	Resp:	203976
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





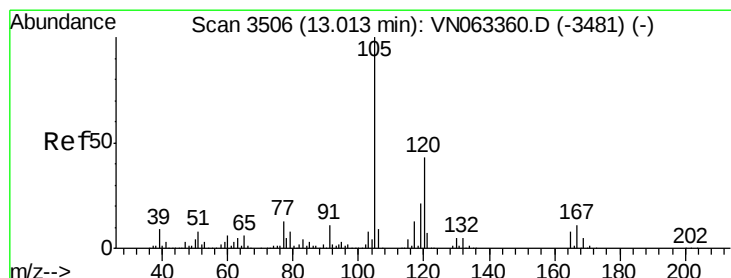
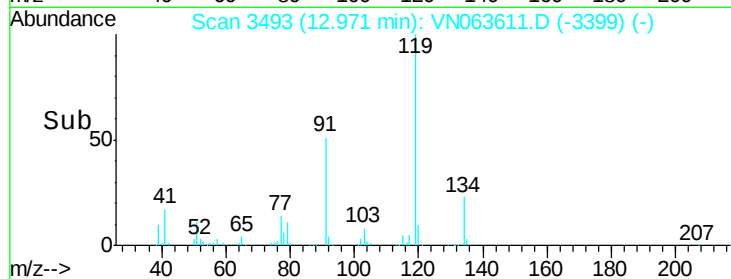
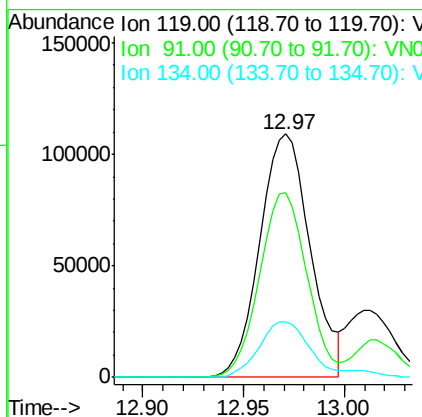
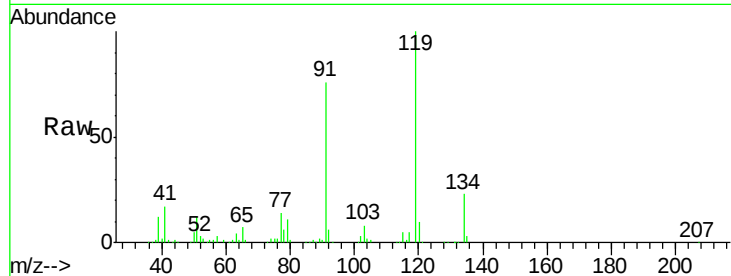
#83
tert-Butylbenzene
Concen: 18.866 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	189900		
91	71.4	36.3	108.9	
134	22.5	12.3	36.8	

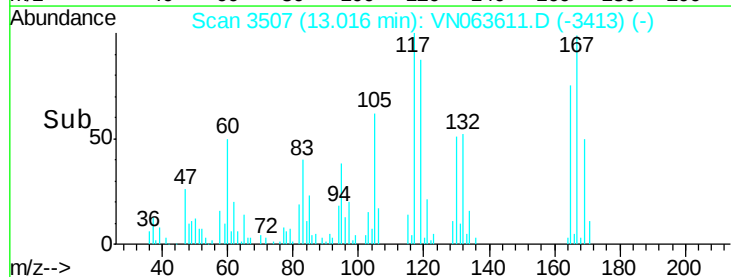
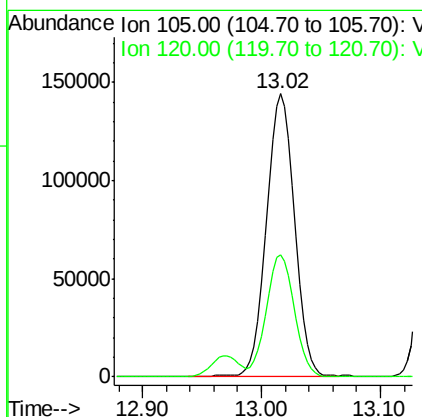
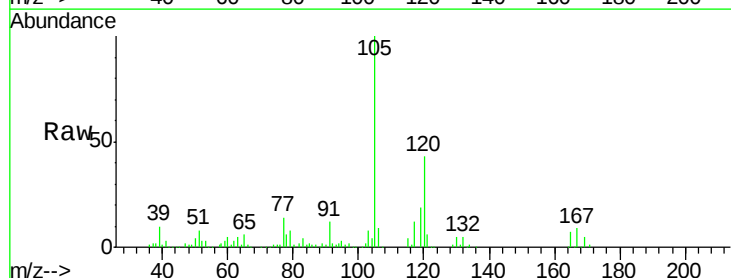
Manual Integrations
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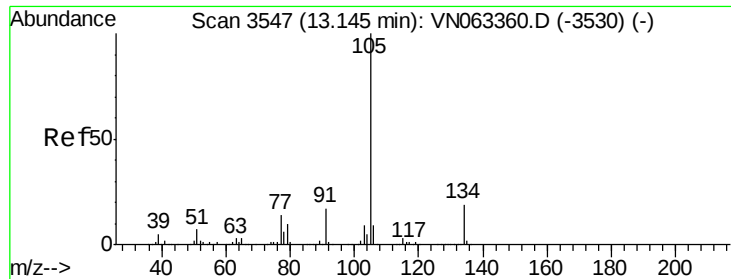
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#84
1,2,4-Trimethylbenzene
Concen: 19.213 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236689		
120	42.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 18.421 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD02

Tot Ion:105 Resp: 248209

Ion Ratio Lower Upper

105 100

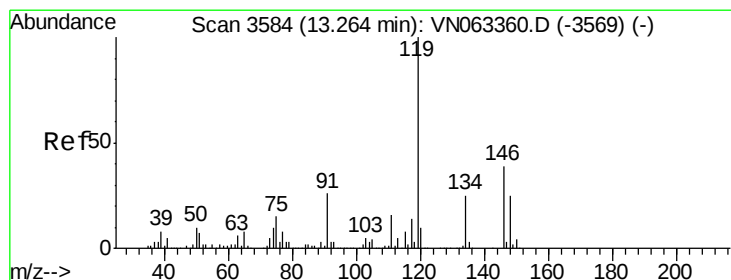
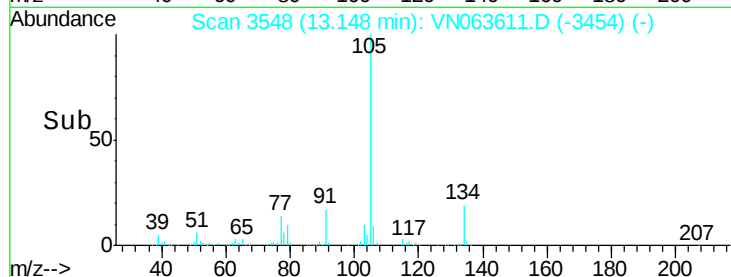
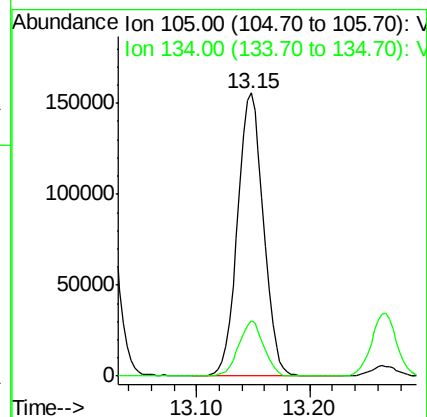
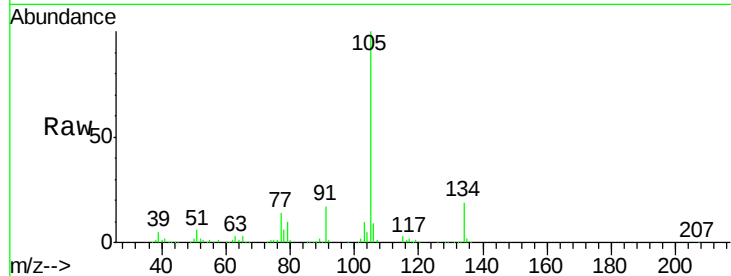
134 18.7 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.913 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

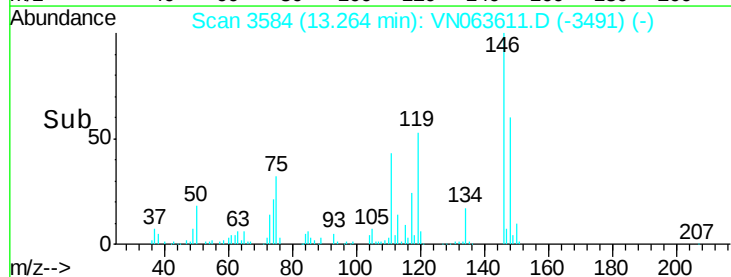
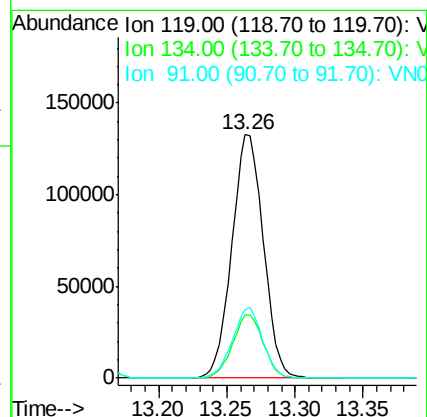
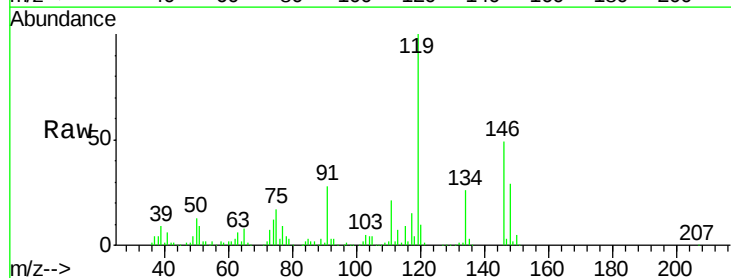
Tgt Ion:119 Resp: 212888

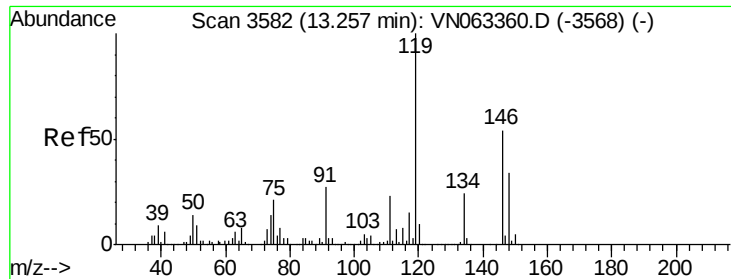
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 27.5 13.4 40.1





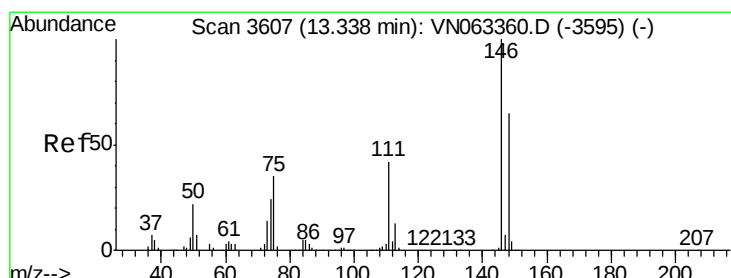
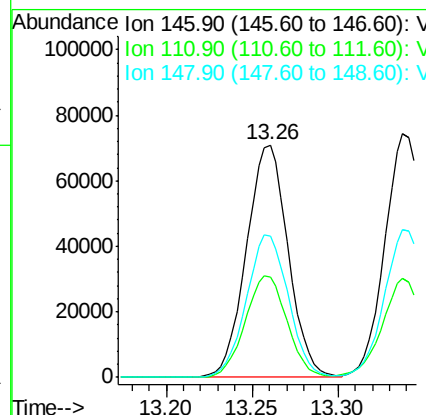
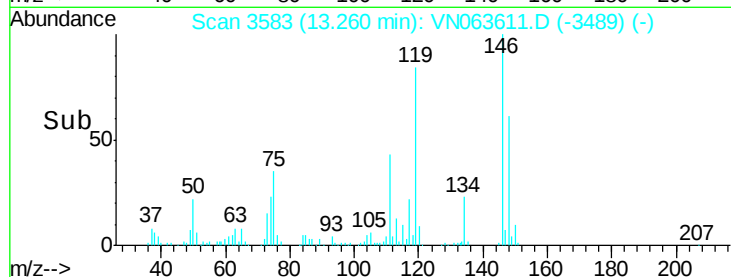
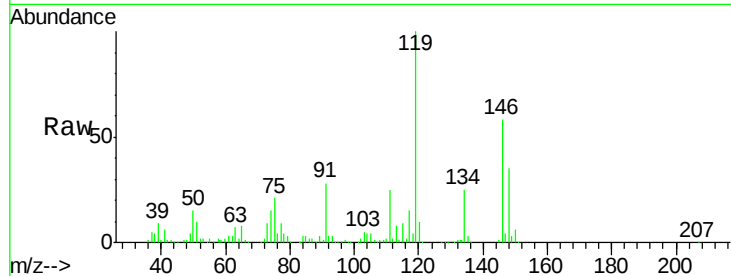
#87
 1,3-Dichlorobenzene
 Concen: 19.573 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119357		
111	43.8	21.4	64.3	
148	61.7	31.9	95.7	

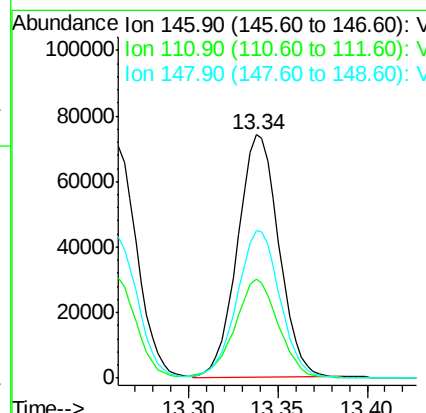
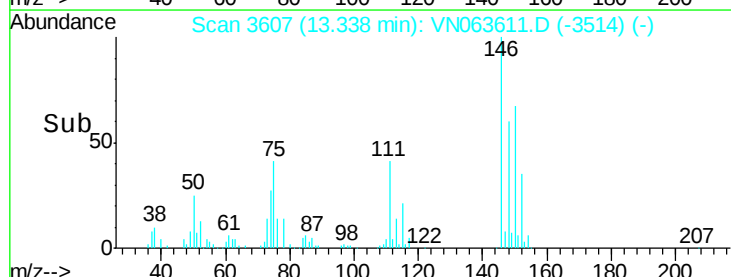
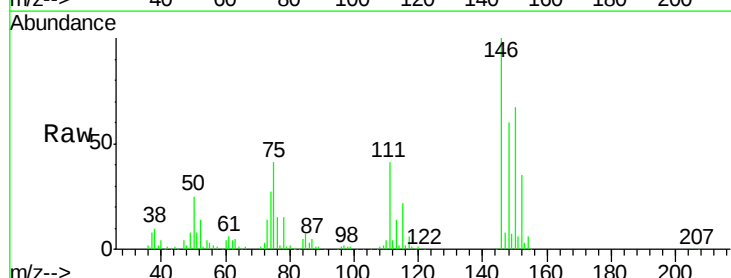
Manual Integrations
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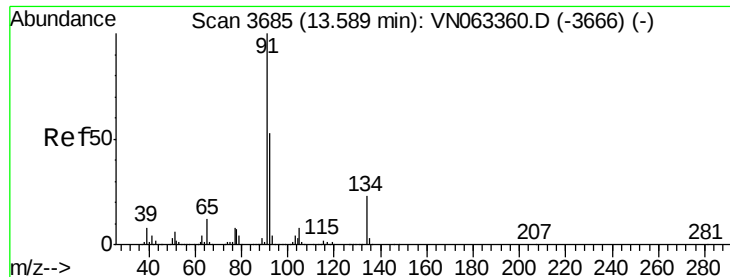
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#88
 1,4-Dichlorobenzene
 Concen: 19.334 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119868		
111	43.3	21.2	63.6	
148	62.7	31.9	95.9	





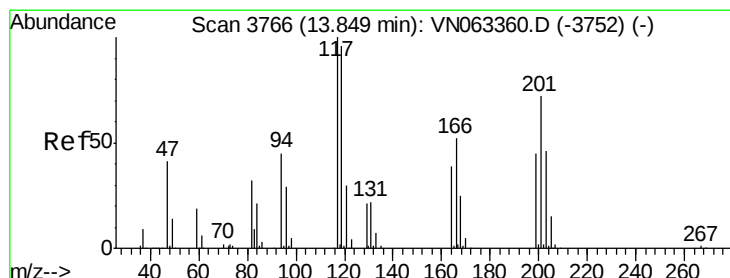
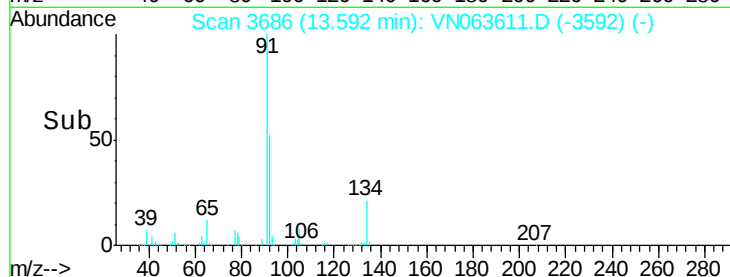
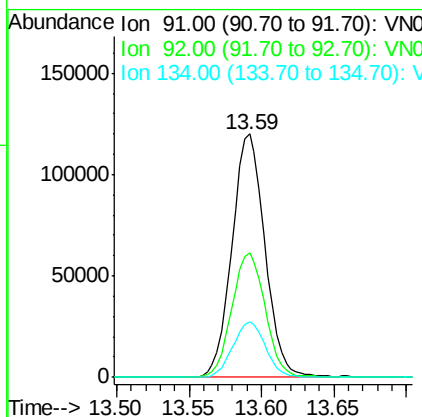
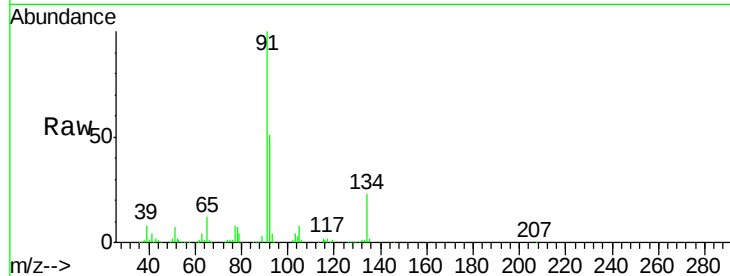
#89
n-Butylbenzene
Concen: 17.271 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	22.6	11.7	35.0

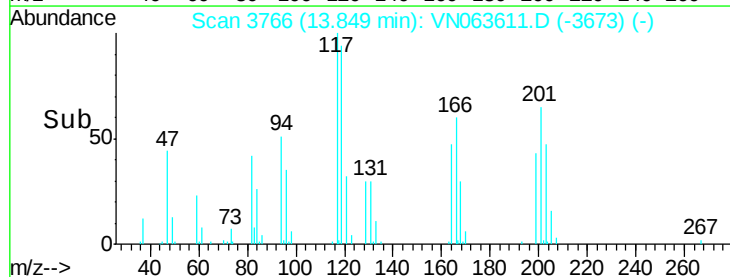
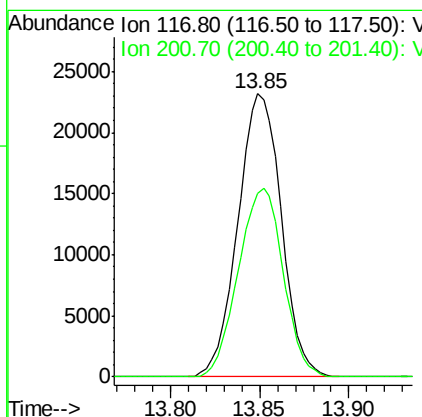
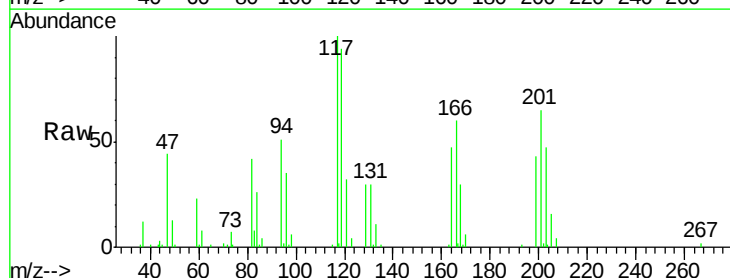
Manual Integrations
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#90
Hexachloroethane
Concen: 17.393 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063611.D
Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 19.615 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

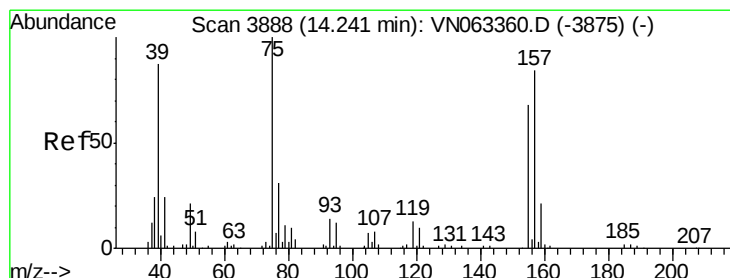
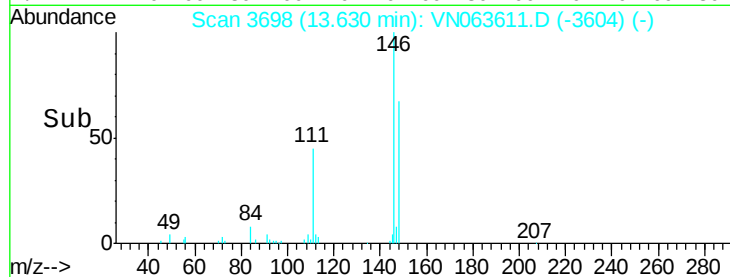
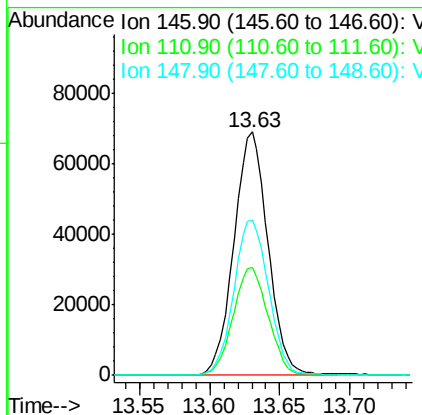
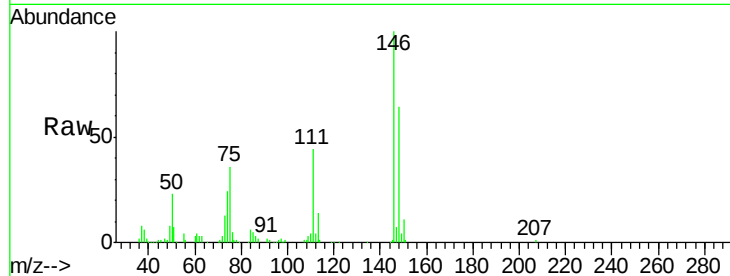
ClientSampleId :

VN0923WBSD02

Tot Ion:	146	Resp:	117431
Ion Ratio	Lower	Upper	
146	100		
111	45.5	22.4	67.2
148	65.3	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.050 ug/l

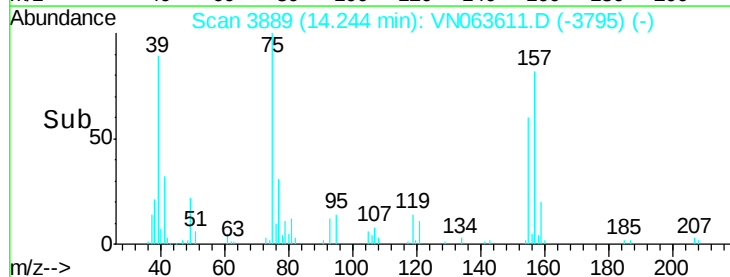
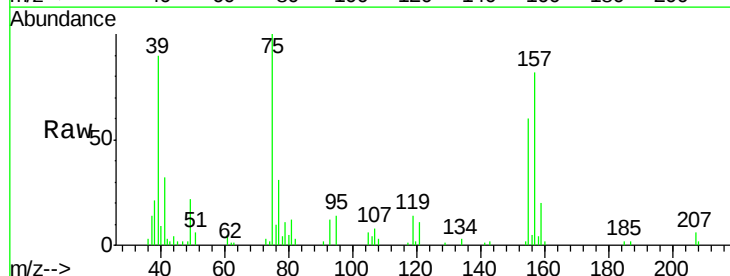
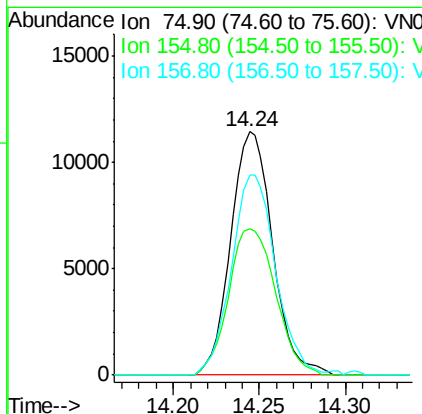
RT: 14.24 min Scan# 3889

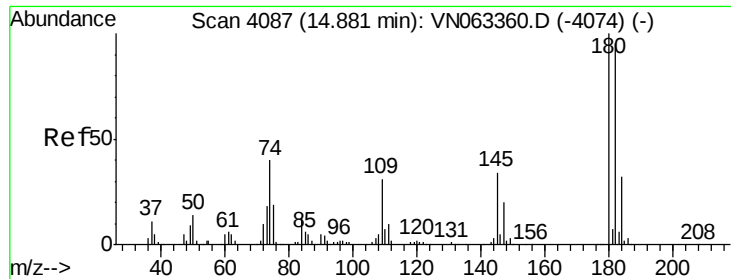
Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	75	Resp:	19465
Ion Ratio	Lower	Upper	
75	100		
155	67.5	34.6	103.9
157	86.7	43.7	131.1





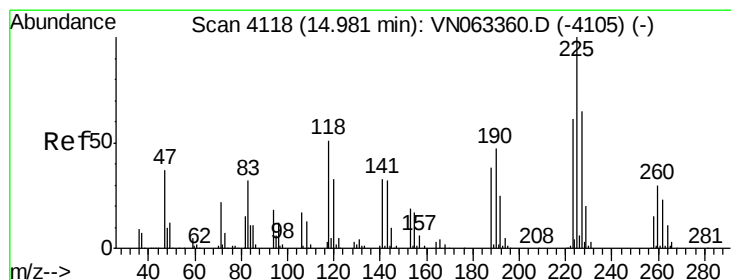
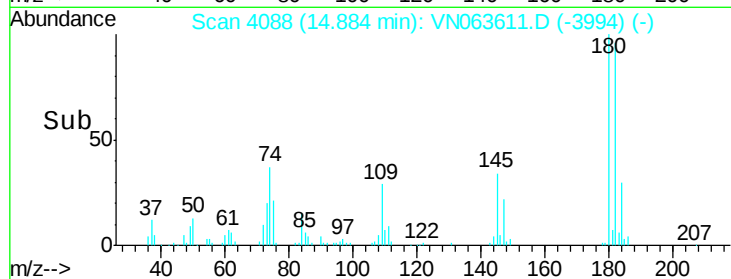
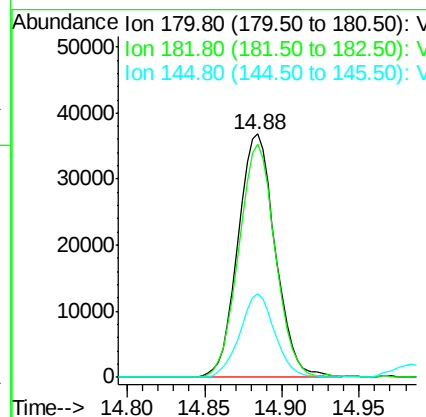
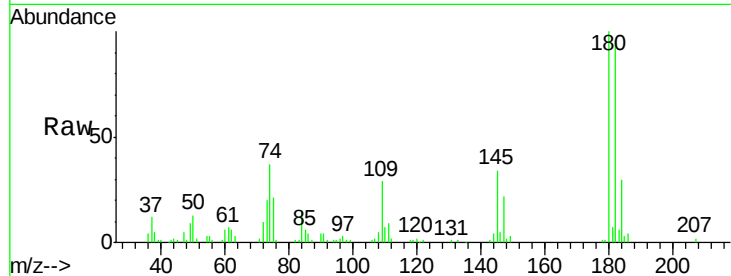
#93
 1,2,4-Trichlorobenzene
 Concen: 17.497 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	31.9	16.6	49.7

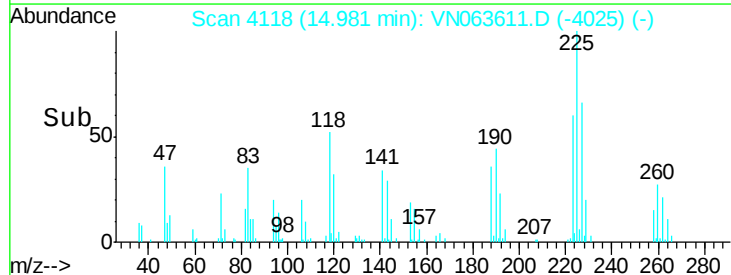
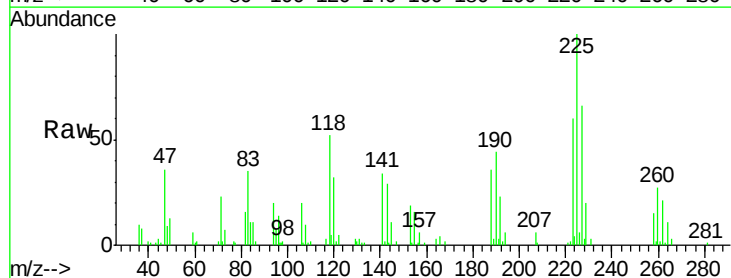
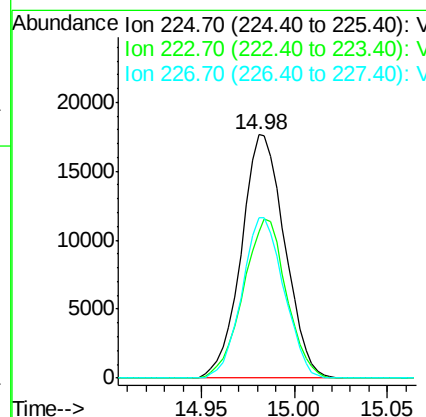
Manual Integrations
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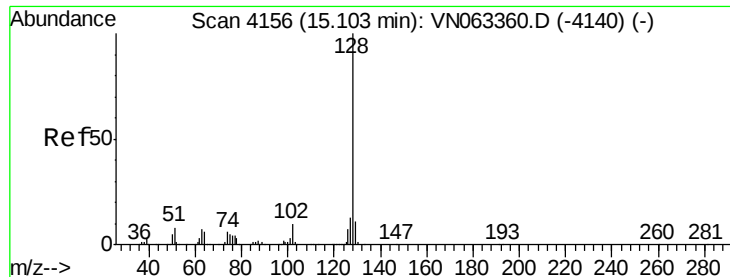
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 9/24/2020 1:38:24 PM



#94
 Hexachlorobutadiene
 Concen: 19.655 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063611.D
 Acq: 24 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.6	91.6
227	63.5	31.2	93.6





#95

Naphthalene

Concen: 17.380 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Instrument :

MSVOA_N

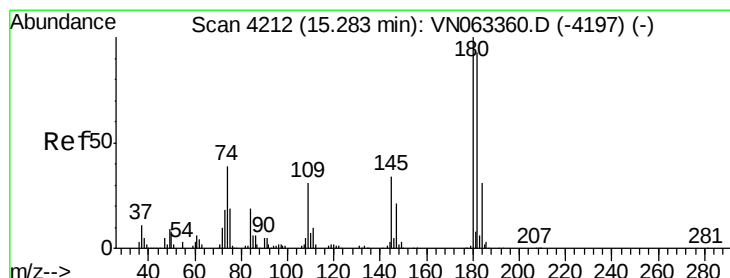
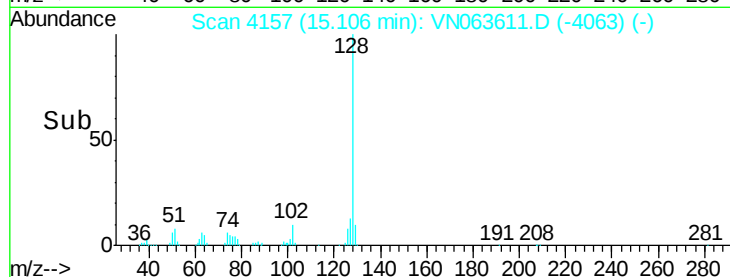
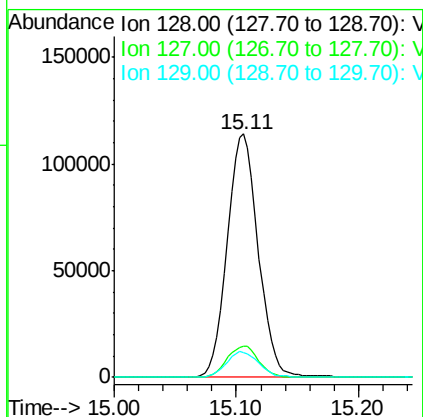
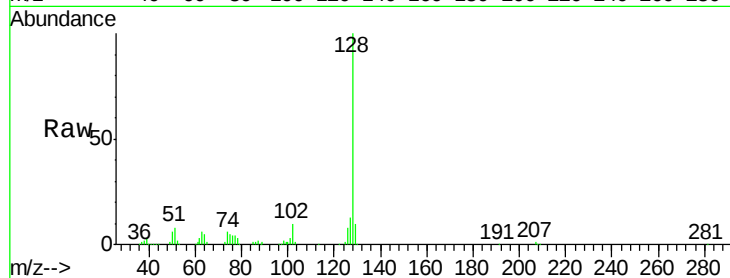
ClientSampleId :

VN0923WBSD02

Tot Ion:	128	Resp:	202664
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.1	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.942 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063611.D

Acq: 24 Sep 2020 1:17

Tgt Ion:	180	Resp:	61185
Ion Ratio	Lower	Upper	
180	100		
182	97.8	46.7	140.1
145	35.4	16.8	50.3

