

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062208.D
 Acq On : 30 Jun 2020 00:33
 Operator : JC/MD
 Sample : VN0629WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:42:38 AM

Quant Time: Jun 30 06:15:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	220390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	404224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	373941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	159820	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
35) Dibromofluoromethane	7.55	113	127833	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	10.06	98	500521	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.38	95	163281	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	45453	18.246	ug/l	96
3) Chloromethane	2.03	50	63251	20.785	ug/l	99
4) Vinyl Chloride	2.16	62	74255	18.928	ug/l	98
5) Bromomethane	2.53	94	49774	19.631	ug/l	96
6) Chloroethane	2.67	64	52023	19.412	ug/l	97
7) Trichlorofluoromethane	2.98	101	91117	18.849	ug/l	99
8) Diethyl Ether	3.37	74	35750	21.180	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49155	19.418	ug/l	98
10) Methyl Iodide	3.91	142	58149	20.397	ug/l	99
11) Tert butyl alcohol	4.74	59	48860	110.030	ug/l	99
12) 1,1-Dichloroethene	3.69	96	50191	19.834	ug/l	96
13) Acrolein	3.57	56	41272	94.930	ug/l	99
14) Allyl chloride	4.28	41	72110	20.929	ug/l	100
15) Acrylonitrile	4.93	53	135132	111.672	ug/l	99
16) Acetone	3.78	43	107772	108.726	ug/l	97
17) Carbon Disulfide	4.01	76	141253	19.518	ug/l	99
18) Methyl Acetate	4.28	43	53728	21.853	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	171092	21.158	ug/l	100
20) Methylene Chloride	4.50	84	61421	21.510	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	55017	19.084	ug/l	93
22) Diisopropyl ether	5.90	45	169560	21.614	ug/l	96
23) Vinyl Acetate	5.84	43	683806	106.764	ug/l	98
24) 1,1-Dichloroethane	5.80	63	104981	20.782	ug/l	98
25) 2-Butanone	6.79	43	164744	108.977	ug/l	99
26) 2,2-Dichloropropane	6.78	77	69315	16.466	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	64034	19.739	ug/l	98
28) Bromochloromethane	7.15	49	42570	19.422	ug/l	95
29) Tetrahydrofuran	7.17	42	111081	112.174	ug/l	98
30) Chloroform	7.33	83	105140	20.457	ug/l	98
31) Cyclohexane	7.61	56	86732	20.298	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	86312	19.913	ug/l	98
36) 1,1-Dichloropropene	7.75	75	76791	18.900	ug/l	98
37) Ethyl Acetate	6.88	43	71503	21.253	ug/l	98
38) Carbon Tetrachloride	7.73	117	72684	18.975	ug/l	92

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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	82142	18.451	ug/l	97
40) Benzene	8.00	78	239433	19.334	ug/l	100
41) Methacrylonitrile	7.13	41	28702	18.401	ug/l #	75
42) 1,2-Dichloroethane	8.09	62	85277	20.381	ug/l	98
43) Isopropyl Acetate	8.13	43	114182	20.819	ug/l	99
44) Trichloroethene	8.80	130	57130	18.288	ug/l	99
45) 1,2-Dichloropropane	9.08	63	62264	20.380	ug/l	98
46) Dibromomethane	9.17	93	40518	19.560	ug/l	98
47) Bromodichloromethane	9.37	83	82353	19.690	ug/l	100
48) Methyl methacrylate	9.17	41	50627	20.587	ug/l	96
49) 1,4-Dioxane	9.17	88	22379	410.366	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	346439	108.114	ug/l	99
52) Toluene	10.12	92	148477	19.650	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	86211	18.735	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	94828	19.357	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	60025	20.209	ug/l	97
56) Ethyl methacrylate	10.40	69	79888	20.154	ug/l	100
57) 1,3-Dichloropropane	10.68	76	103199	20.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	145834	96.949	ug/l	99
59) 2-Hexanone	10.72	43	250667	108.331	ug/l	99
60) Dibromochloromethane	10.87	129	61141	19.443	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58600	19.201	ug/l	100
64) Tetrachloroethene	10.60	164	47317	18.524	ug/l	98
65) Chlorobenzene	11.41	112	157514	19.181	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	55086	19.399	ug/l	99
67) Ethyl Benzene	11.48	91	267110	19.260	ug/l	99
68) m/p-Xylenes	11.60	106	206502	38.496	ug/l	99
69) o-Xylene	11.92	106	98689	19.499	ug/l	99
70) Styrene	11.94	104	162752	19.282	ug/l	99
71) Bromoform	12.10	173	37569	18.608	ug/l #	98
73) Isopropylbenzene	12.22	105	258579	20.211	ug/l	100
74) N-amyl acetate	12.05	43	87505	20.681	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	89659	21.059	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	75409m	19.381	ug/l	
77) Bromobenzene	12.50	156	60546	19.062	ug/l	94
78) n-propylbenzene	12.57	91	295786	20.212	ug/l	99
79) 2-Chlorotoluene	12.65	91	176444	19.944	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	211841	20.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	24872	18.669	ug/l	97
82) 4-Chlorotoluene	12.75	91	180151	19.691	ug/l	100
83) tert-Butylbenzene	12.97	119	180713	20.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	209786	20.253	ug/l	99
85) sec-Butylbenzene	13.15	105	244696	20.864	ug/l	100
86) p-Isopropyltoluene	13.26	119	208291	20.271	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	105529	18.920	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	106871	18.588	ug/l	99
89) n-Butylbenzene	13.59	91	166562	19.497	ug/l	99
90) Hexachloroethane	13.85	117	41194	20.433	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	106212	19.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14707	21.564	ug/l	96

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ClientSampleId :
VN0629WBSD02

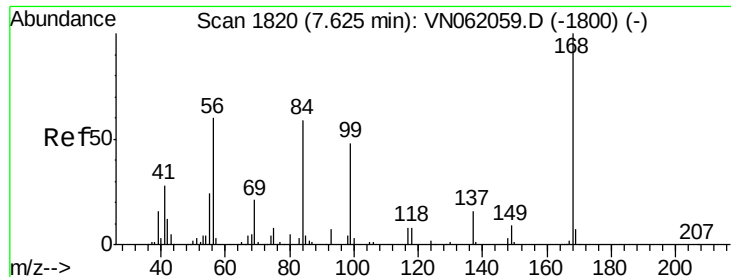
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	42989	18.194	ug/l	99
94) Hexachlorobutadiene	14.99	225	20473	19.950	ug/l	97
95) Naphthalene	15.10	128	129450	19.114	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	45517	18.840	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion:168 Resp: 220390

Ion Ratio Lower Upper

168 100

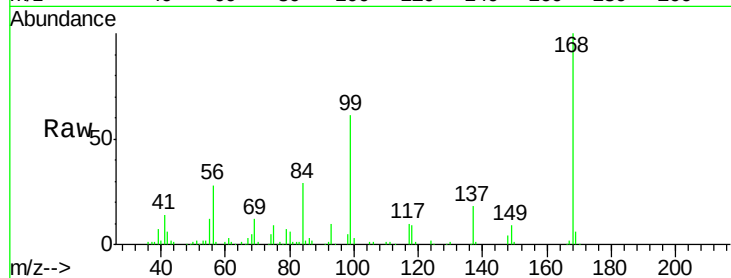
99 60.9 45.8 68.8

Manual Integrations

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6/30/2020 10:42:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

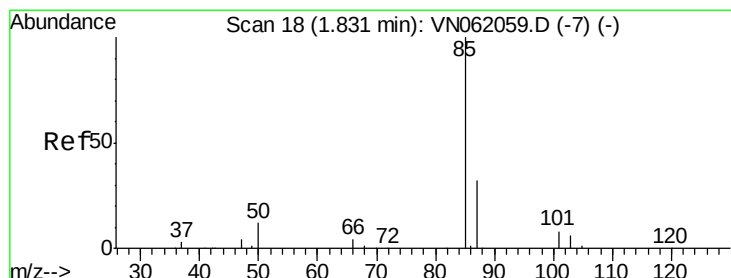
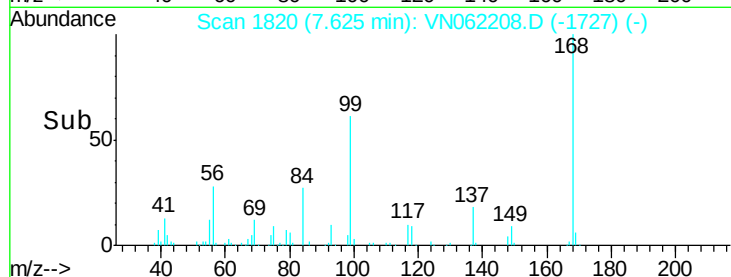
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.246 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062208.D

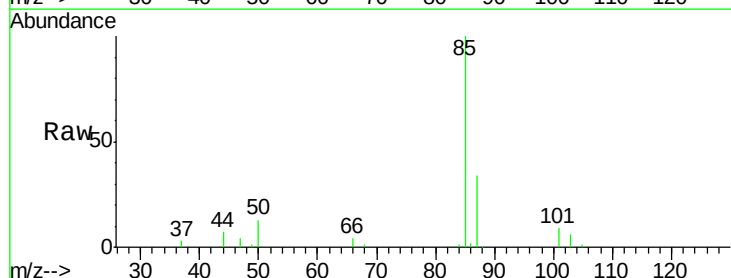
Acq: 30 Jun 2020 00:33

Tgt Ion: 85 Resp: 45453

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

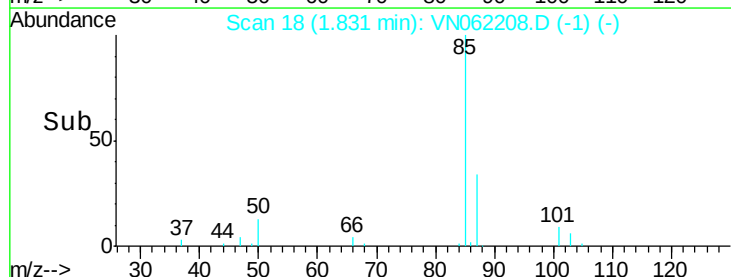
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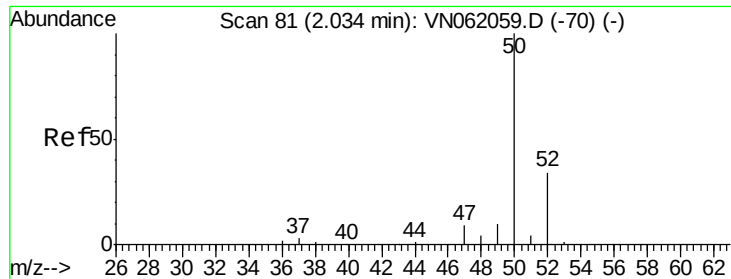
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.785 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 50 Resp: 63251

Ion Ratio Lower Upper

50 100

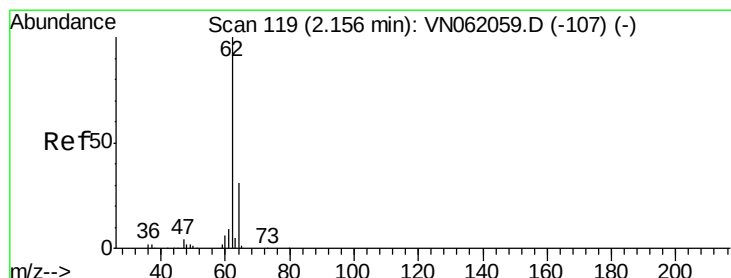
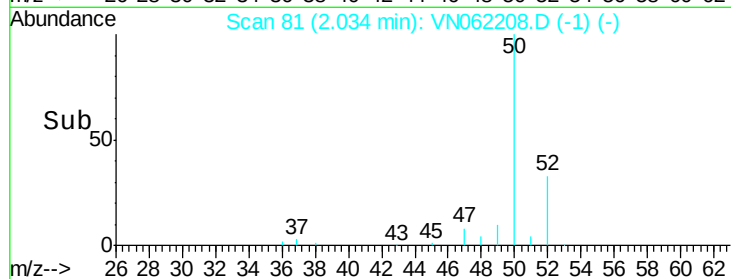
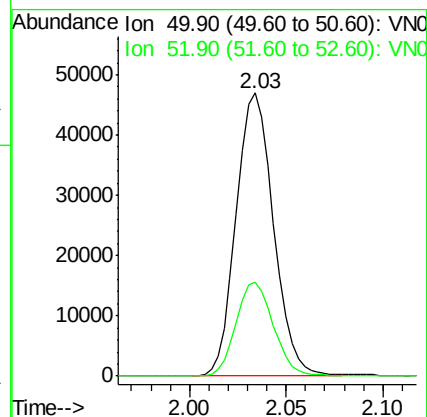
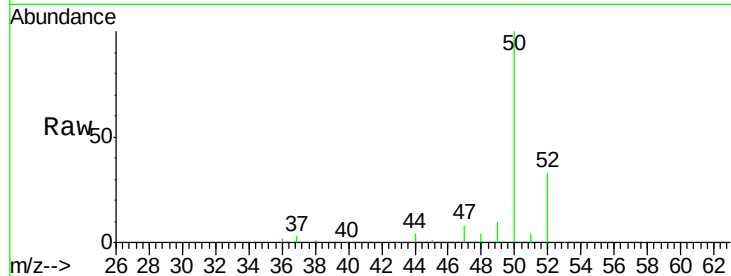
52 33.4 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.928 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062208.D

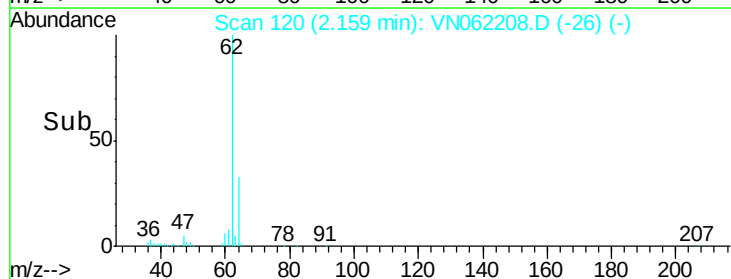
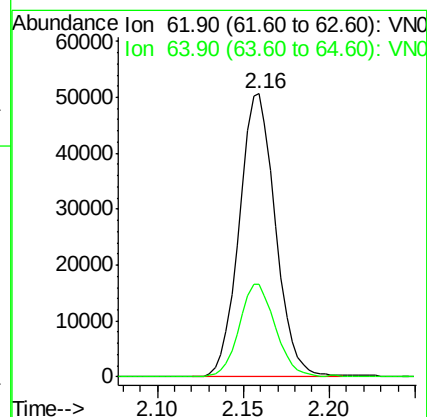
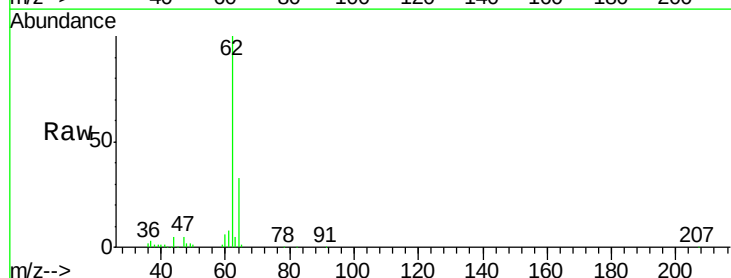
Acq: 30 Jun 2020 00:33

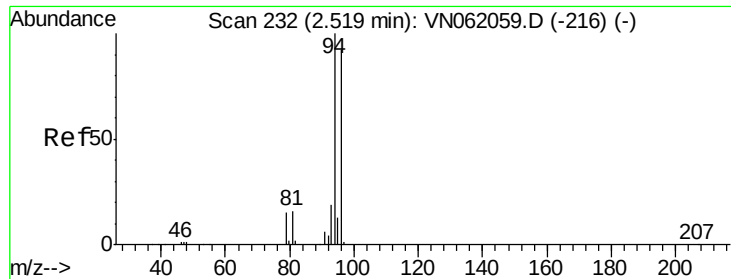
Tgt Ion: 62 Resp: 74255

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 19.631 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 94 Resp: 49774

Ion Ratio Lower Upper

94 100

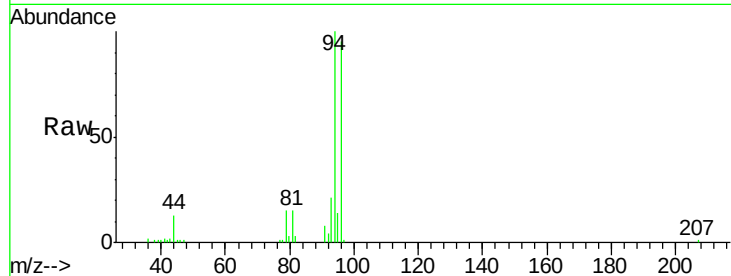
96 95.5 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

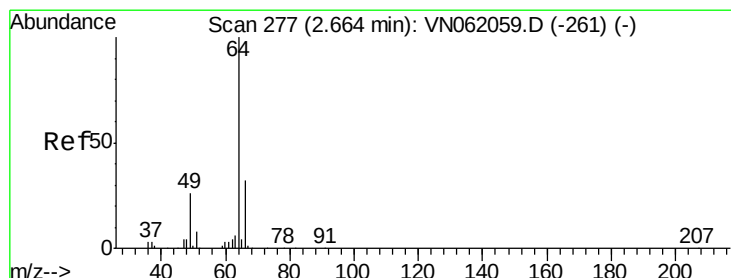
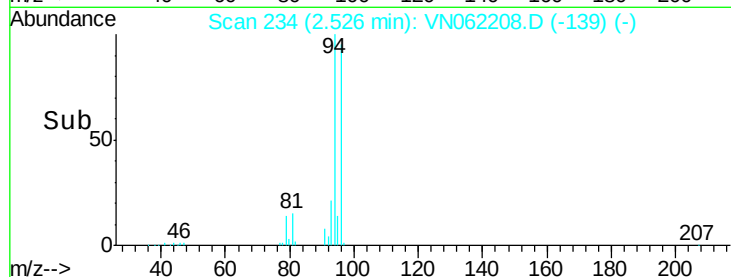
10000

5000

0

2.50 2.60

Time-->



#6

Chloroethane

Concen: 19.412 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062208.D

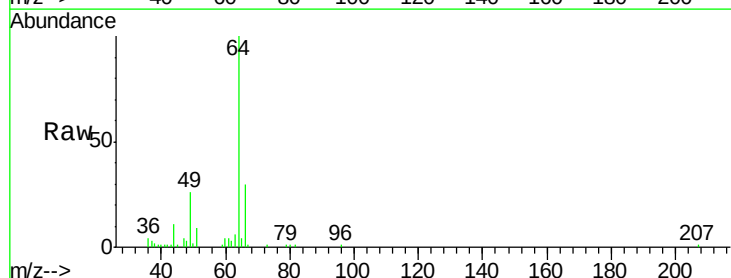
Acq: 30 Jun 2020 00:33

Tgt Ion: 64 Resp: 52023

Ion Ratio Lower Upper

64 100

66 30.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

25000

20000

15000

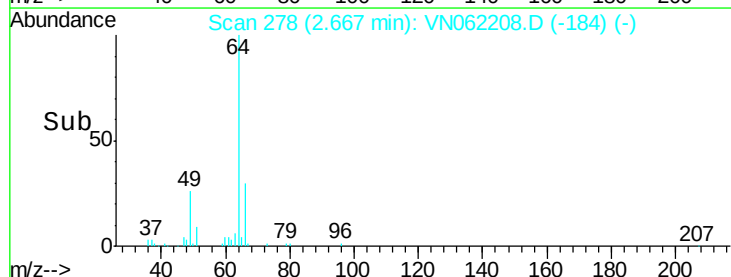
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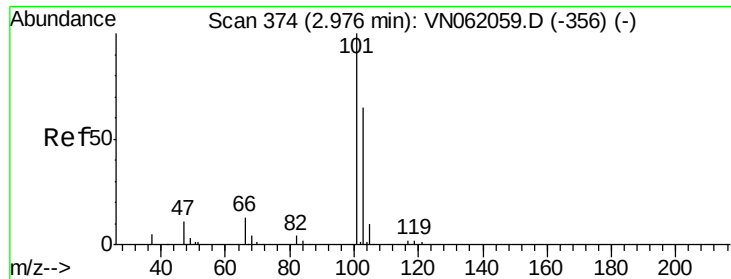
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0

2.60 2.65 2.70 2.75

Time-->





#7

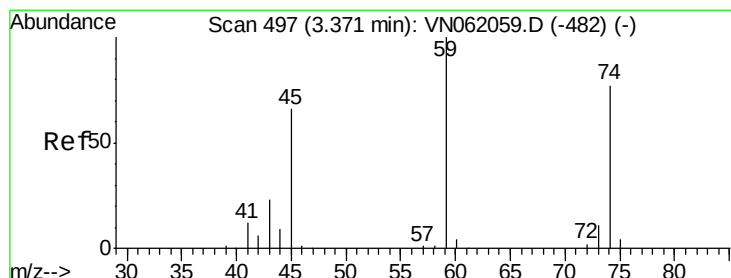
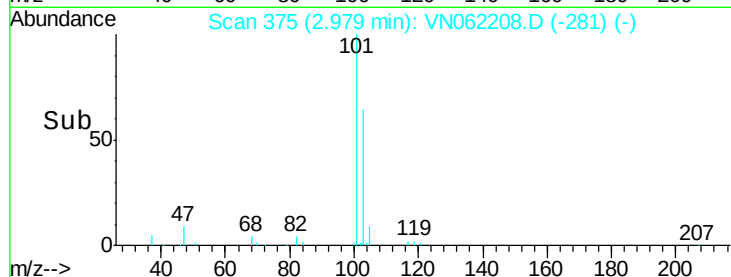
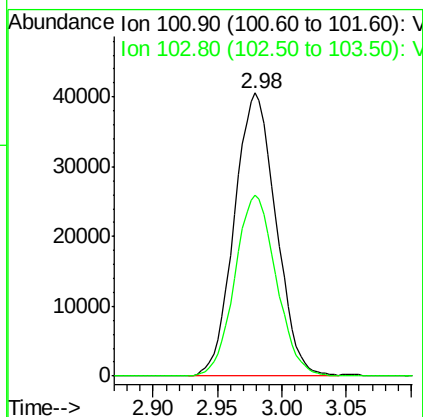
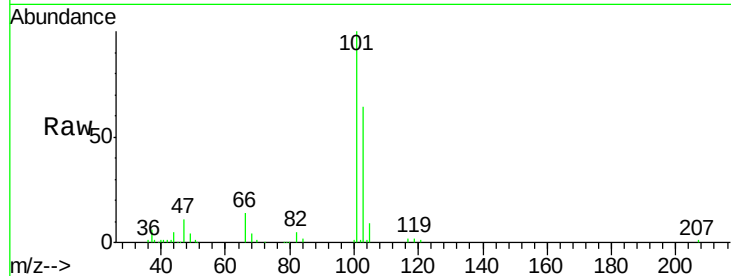
Trichlorofluoromethane
Concen: 18.849 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
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ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

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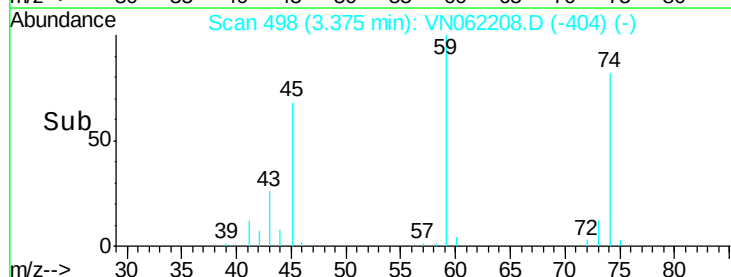
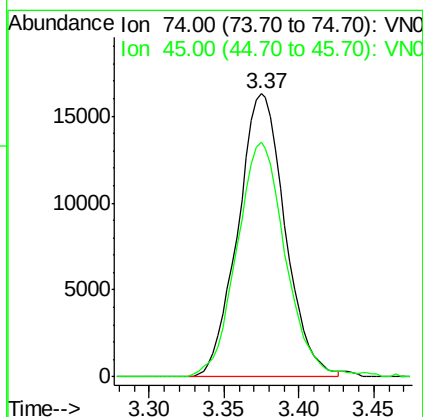
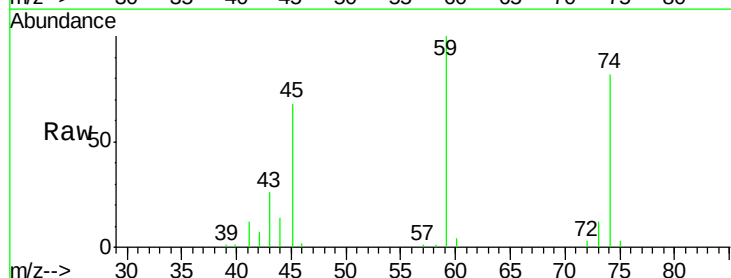
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6/30/2020 10:42:38 AM

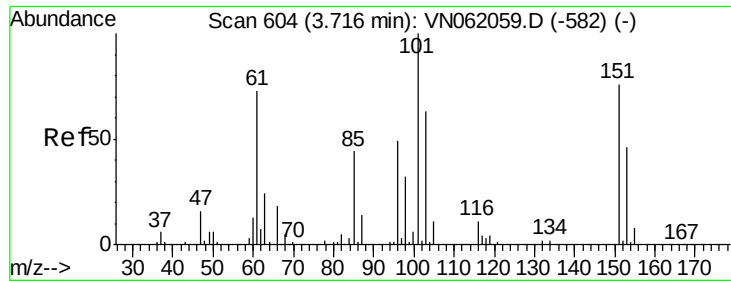


#8

Diethyl Ether
Concen: 21.180 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.9	42.5	127.5





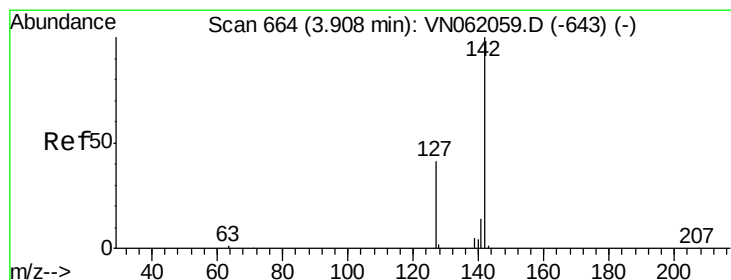
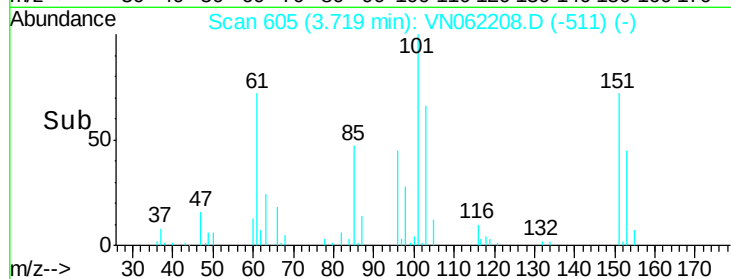
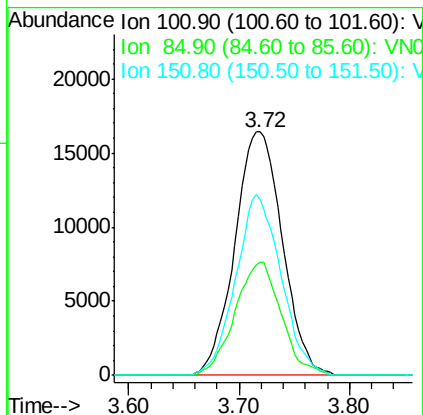
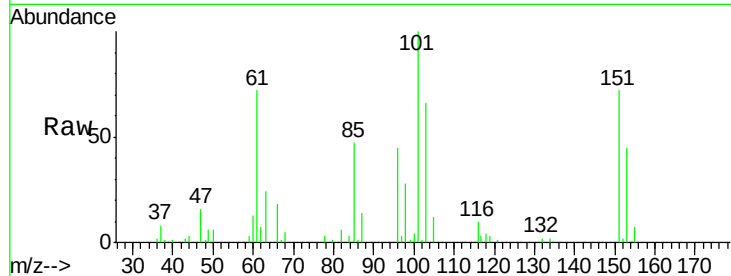
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.418 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN062208.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	34.5	51.7
151	70.7	57.8	86.8

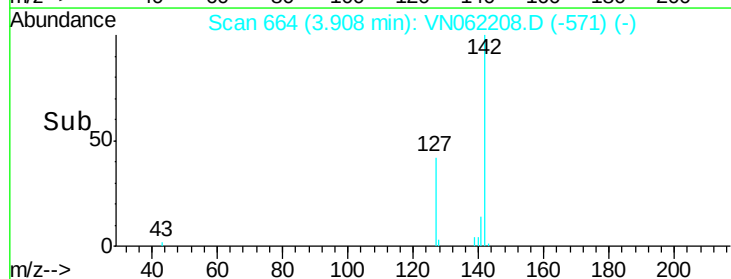
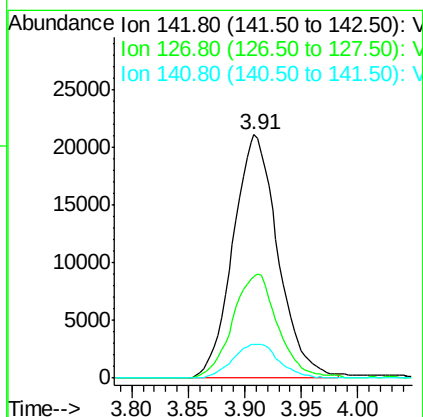
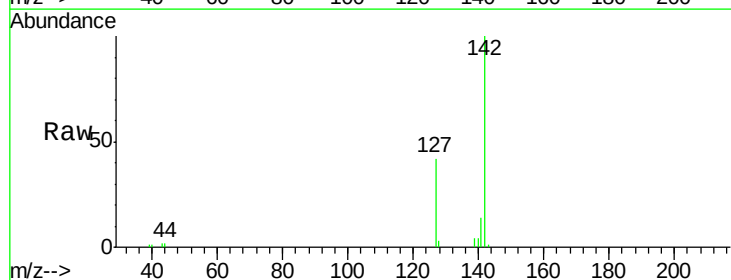
Manual Integrations
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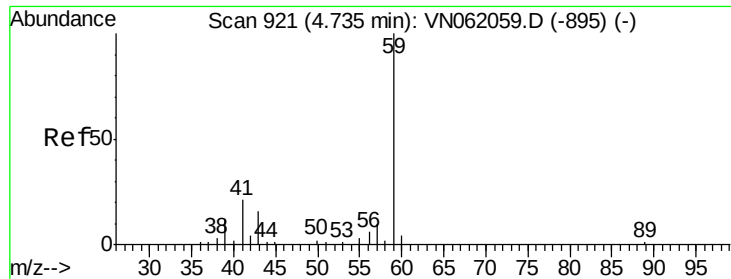
MMDadoda
6/30/2020 10:42:38 AM



#10
Methyl Iodide
Concen: 20.397 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	33.6	50.4
141	14.3	11.3	16.9





#11

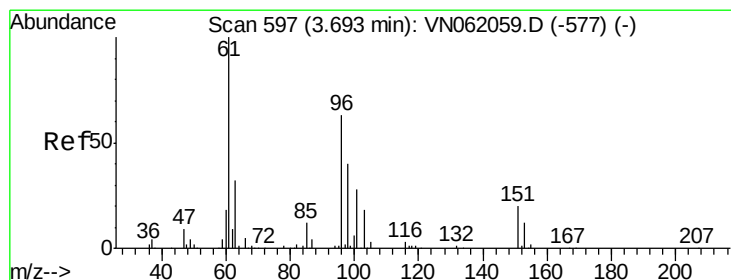
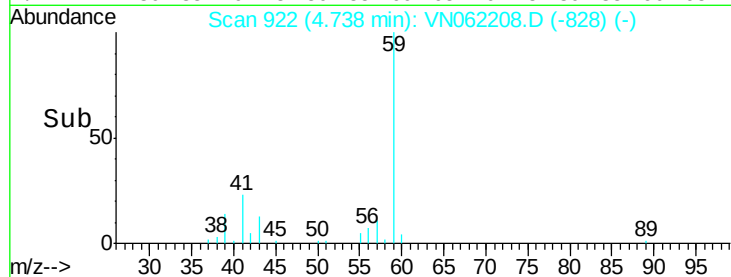
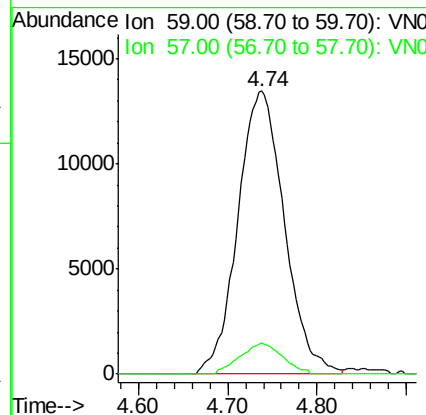
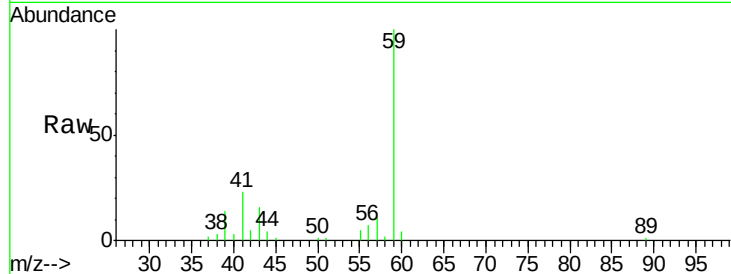
Tert butyl alcohol
 Concen: 110.030 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
 APPROVED

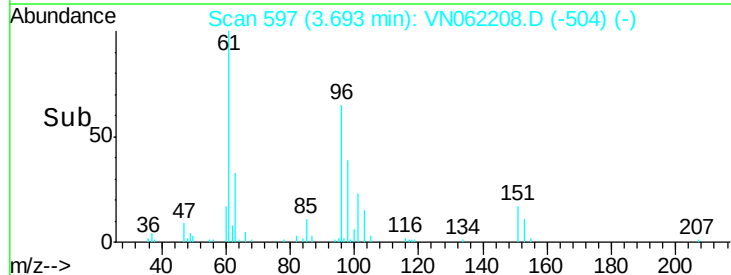
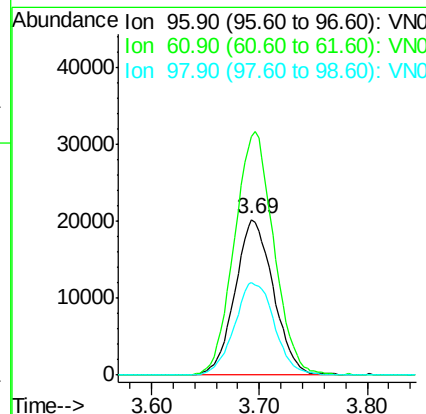
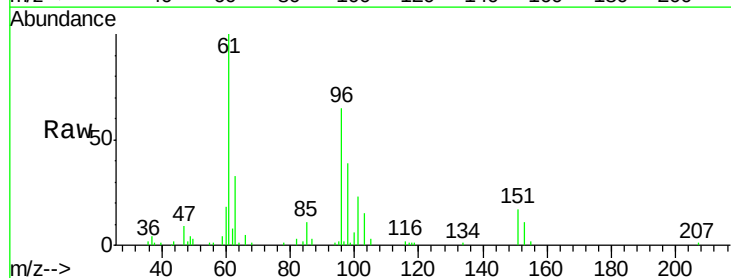
MMDadoda
 6/30/2020 10:42:38 AM

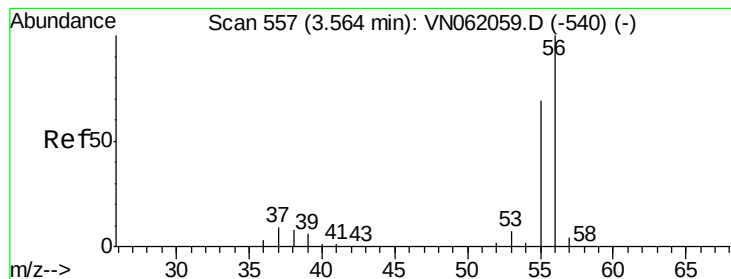


#12

1,1-Dichloroethene
 Concen: 19.834 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	126.7	190.1
98	59.5	51.0	76.4





#13

Acrolein

Concen: 94.930 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD02

Tot Ion: 56 Resp: 41272

Ion Ratio Lower Upper

56 100

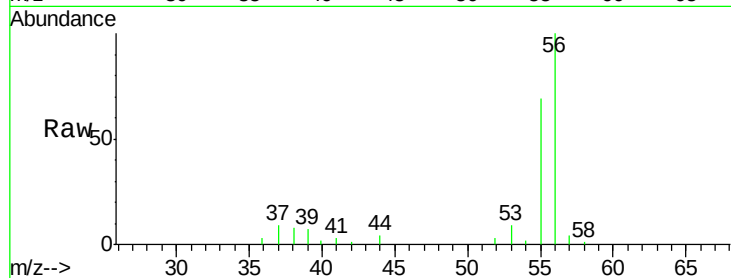
55 70.3 55.5 83.3

Manual Integrations

APPROVED

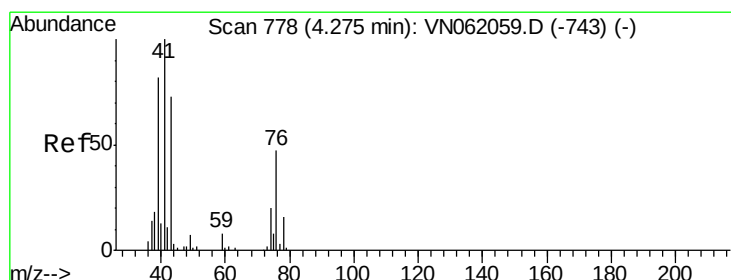
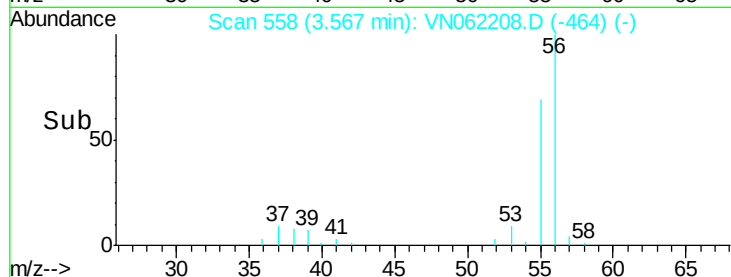
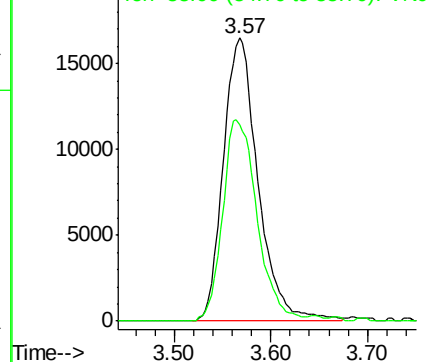
MMDadoda

6/30/2020 10:42:38 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.929 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

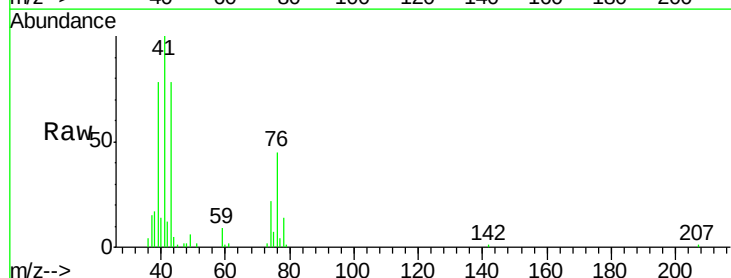
Tgt Ion: 41 Resp: 72110

Ion Ratio Lower Upper

41 100

39 74.9 60.0 90.0

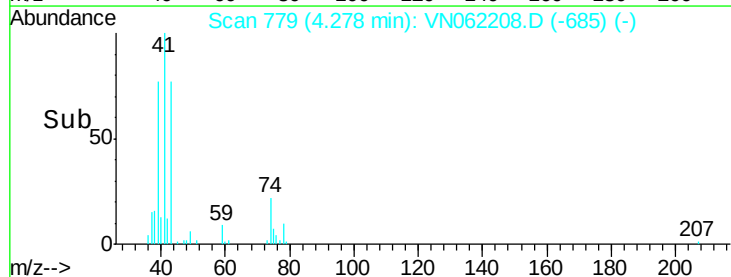
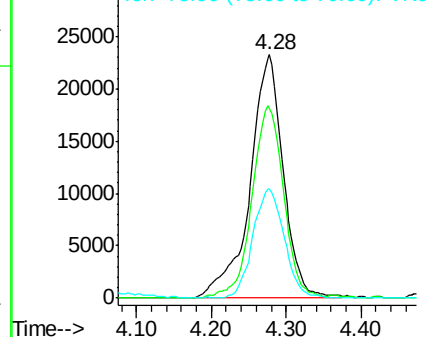
76 42.1 34.1 51.1

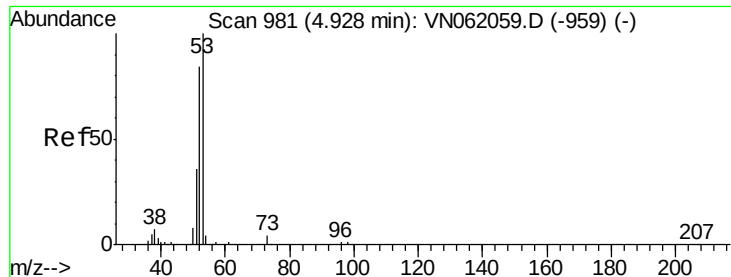


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.672 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

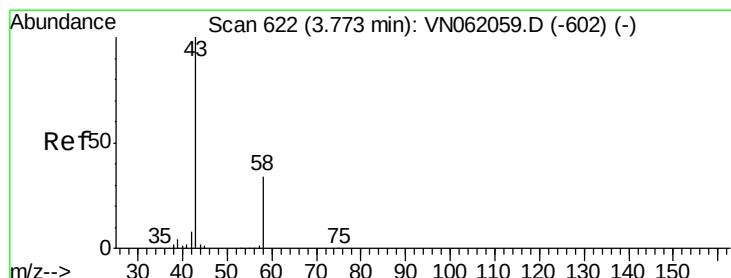
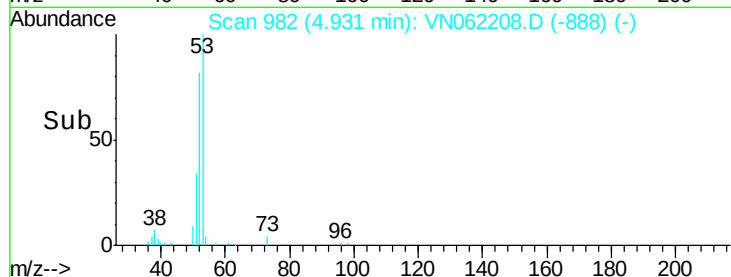
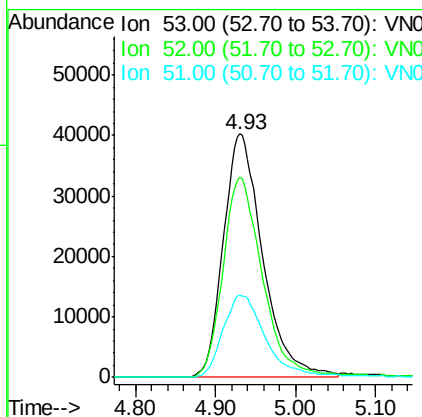
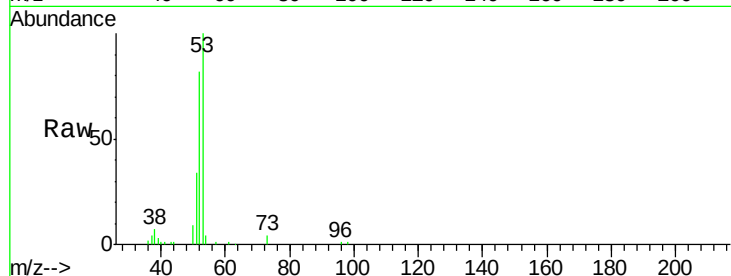
ClientSampleId :

VN0629WBSD02

Tot Ion:	53	Resp:	135132
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.6	28.9	43.3

Manual Integrations
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MMDadoda
6/30/2020 10:42:38 AM



#16

Acetone

Concen: 108.726 ug/l

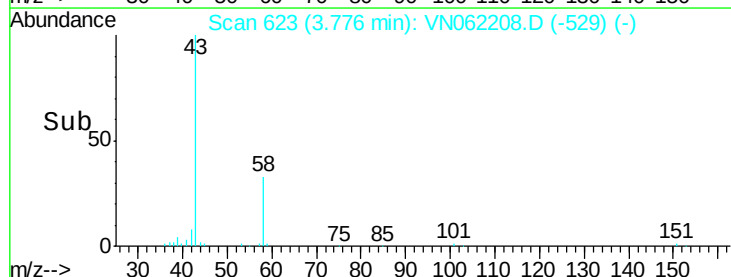
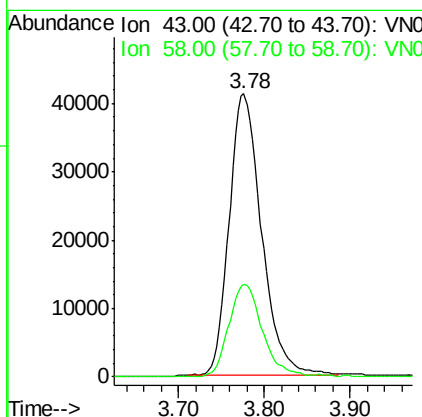
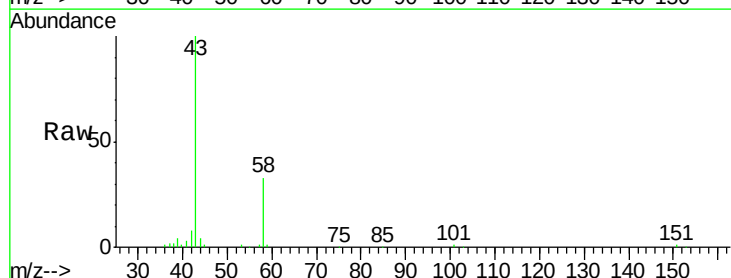
RT: 3.78 min Scan# 623

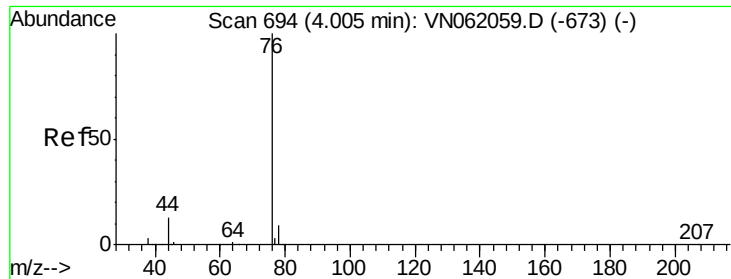
Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	43	Resp:	107772
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.5	41.3





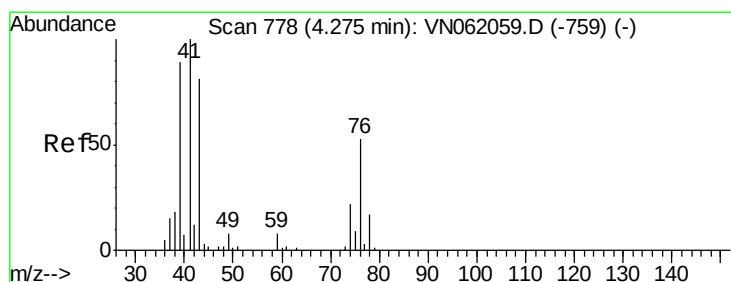
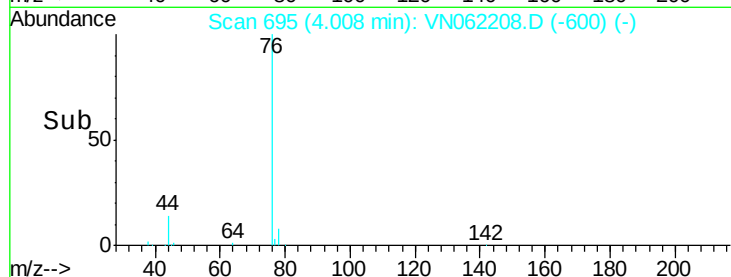
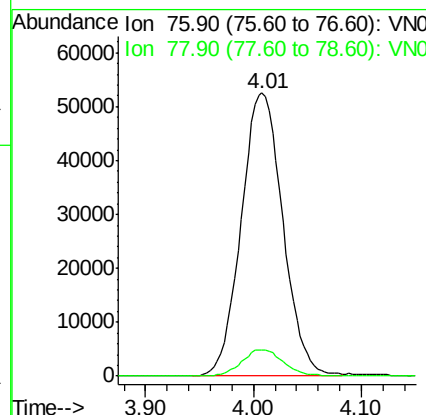
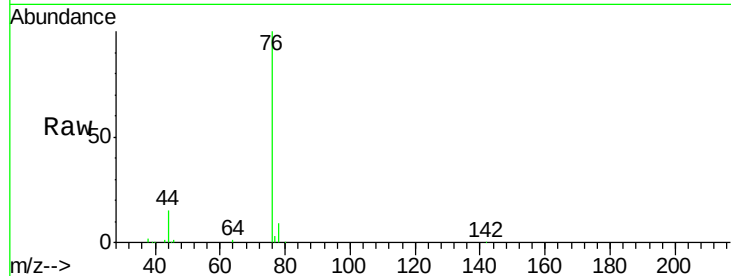
#17
Carbon Disulfide
Concen: 19.518 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

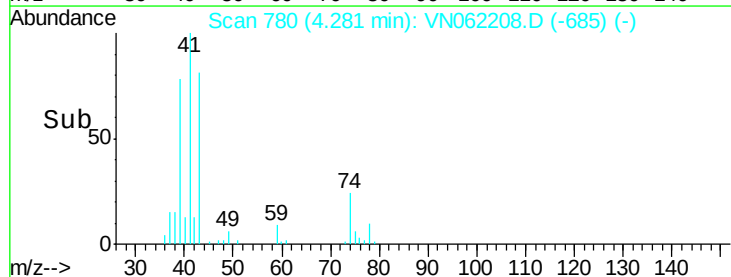
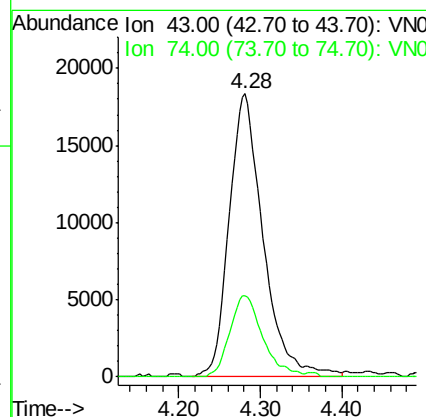
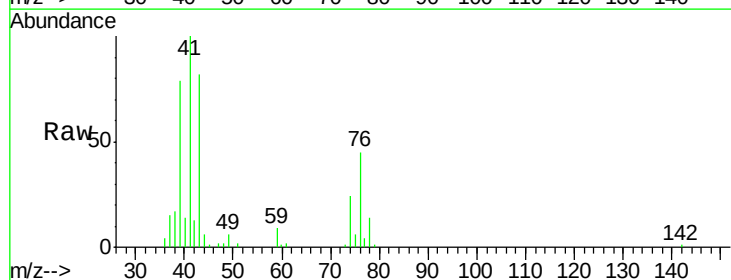
Manual Integrations
APPROVED

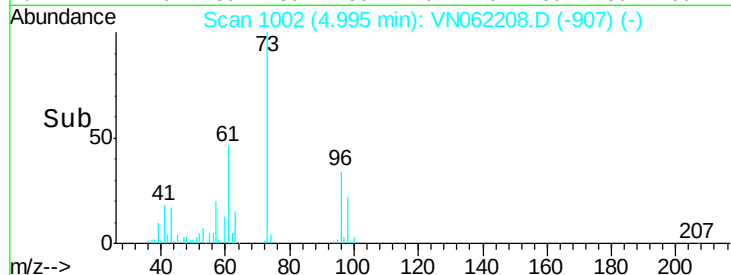
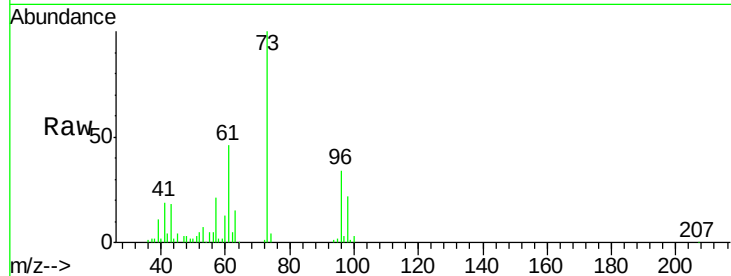
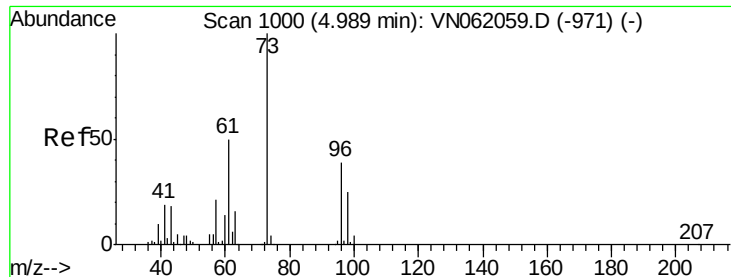
MMDadoda
6/30/2020 10:42:38 AM



#18
Methyl Acetate
Concen: 21.853 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	22.9	34.3





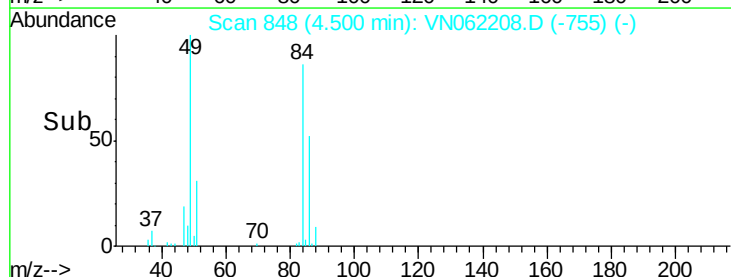
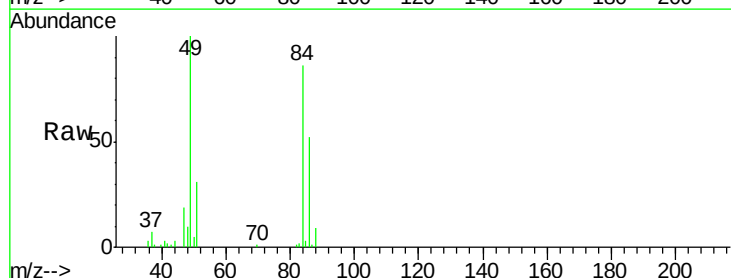
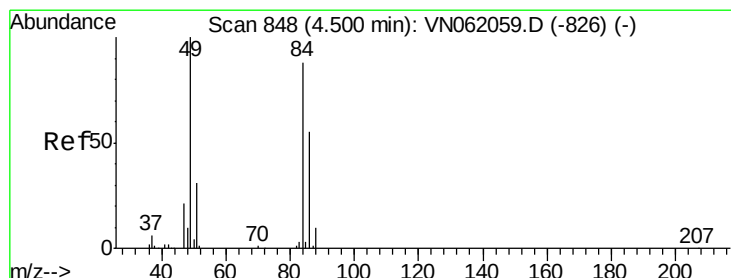
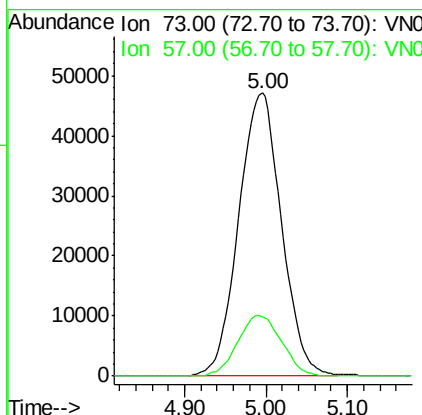
#19
Methyl tert-butyl Ether
Concen: 21.158 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tot Ion: 73 Resp: 171092
Ion Ratio Lower Upper
73 100
57 20.8 16.6 24.8

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD02

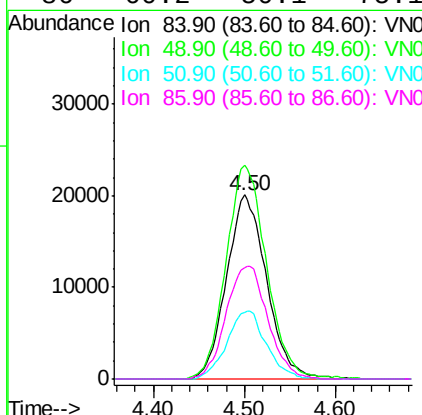
Manual Integrations
APPROVED

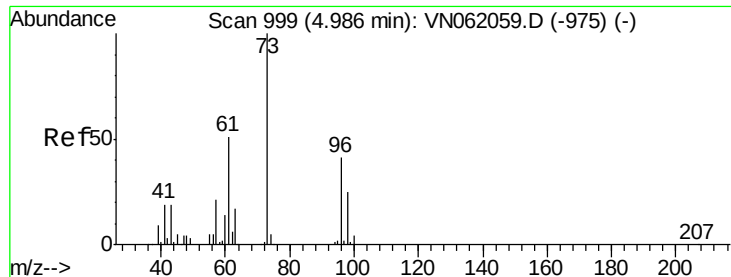
MMDadoda
6/30/2020 10:42:38 AM



#20
Methylene Chloride
Concen: 21.510 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion: 84 Resp: 61421
Ion Ratio Lower Upper
84 100
49 115.2 90.6 136.0
51 36.4 27.8 41.8
86 60.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.084 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

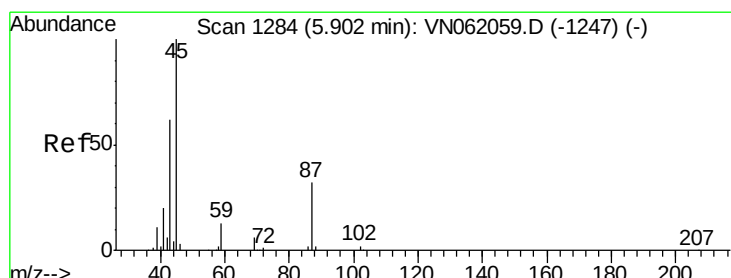
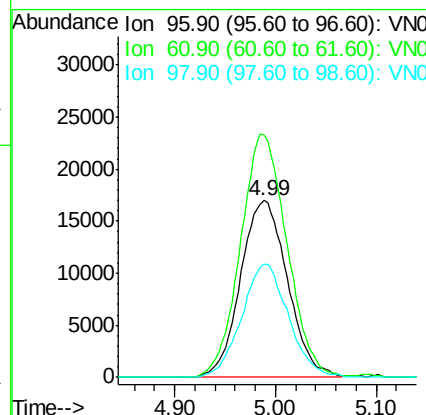
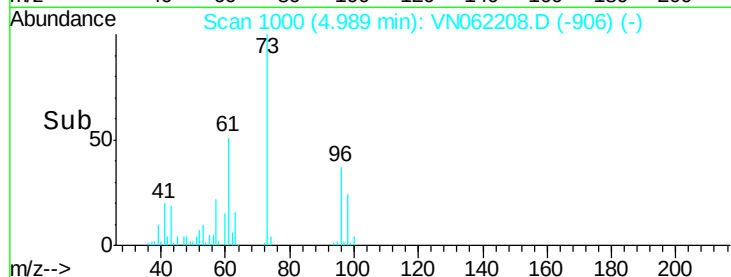
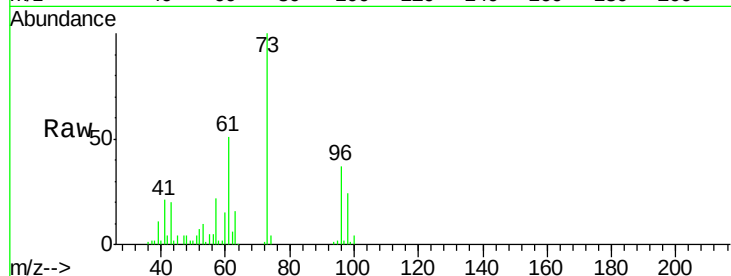
ClientSampleId :

VN0629WBSD02

Tot Ion:	96	Resp:	55017
Ion	Ratio	Lower	Upper
96	100		
61	137.3	101.4	152.2
98	64.1	49.3	73.9

Manual Integrations
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MMDadoda
6/30/2020 10:42:38 AM



#22

Diisopropyl ether

Concen: 21.614 ug/l

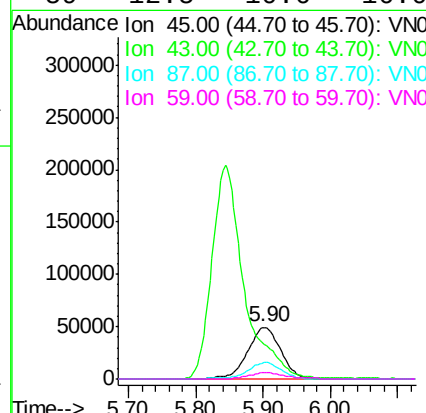
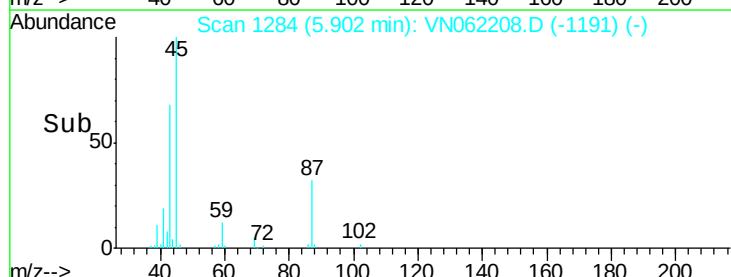
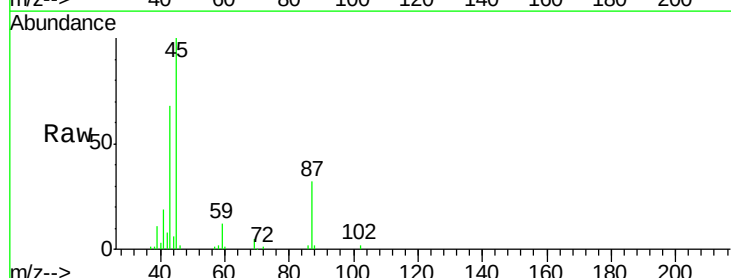
RT: 5.90 min Scan# 1284

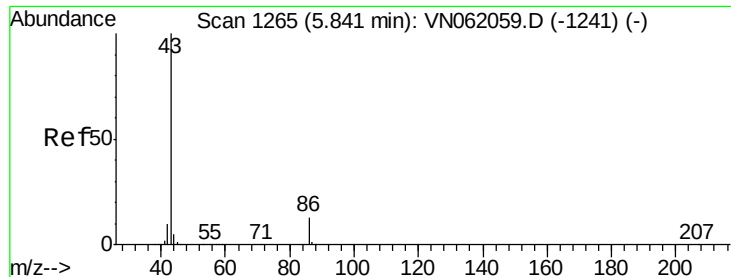
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	45	Resp:	169560
Ion	Ratio	Lower	Upper
45	100		
43	65.9	49.7	74.5
87	31.6	25.9	38.9
59	12.5	10.6	16.0





#23

Vinyl Acetate

Concen: 106.764 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 43 Resp: 683806

Ion Ratio Lower Upper

43 100

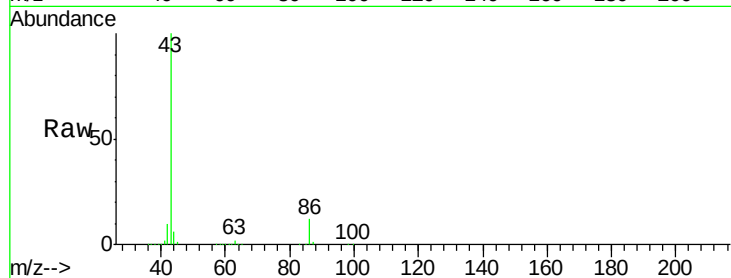
86 11.9 10.1 15.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062208.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062208.D (-1172) (-)

5.84

200000

150000

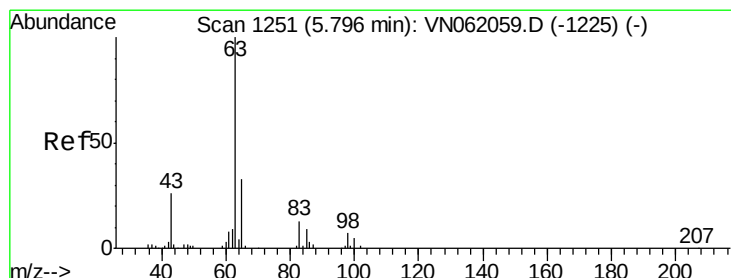
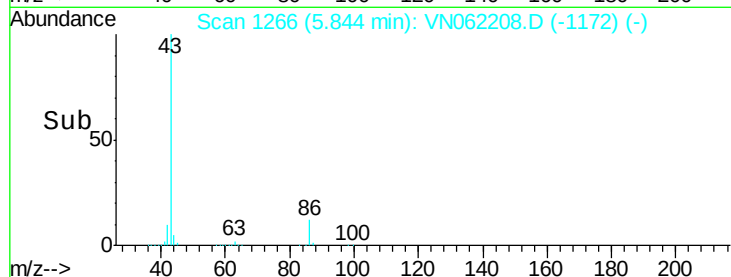
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.782 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

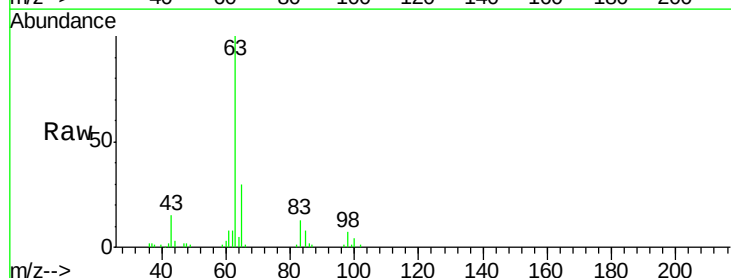
Tgt Ion: 63 Resp: 104981

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 4.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062208.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062208.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062208.D (-1158) (-)

5.80

40000

30000

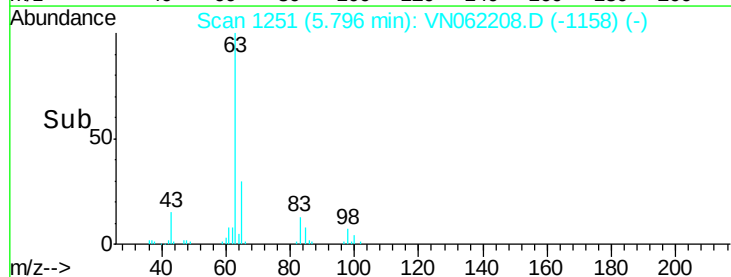
20000

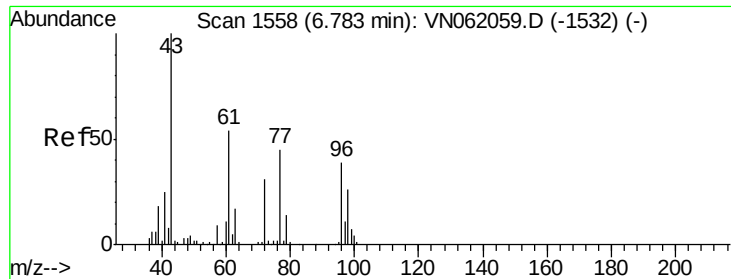
10000

0

5.70 5.80 5.90

Time-->





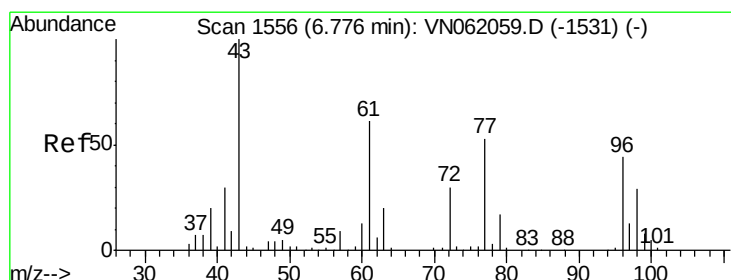
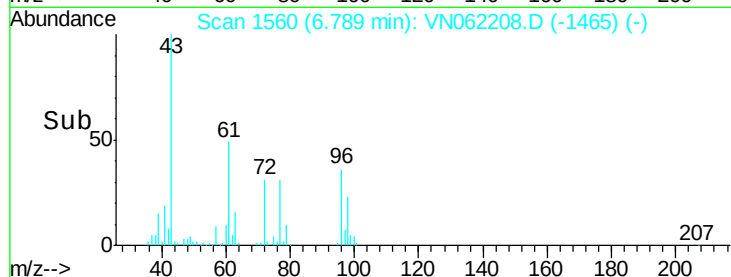
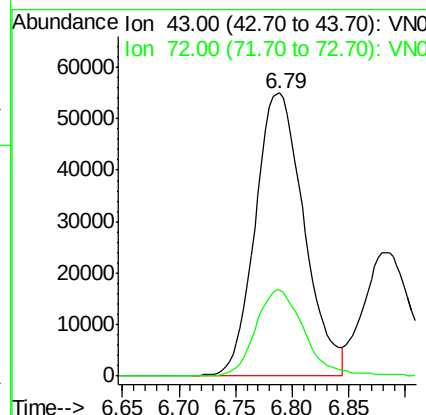
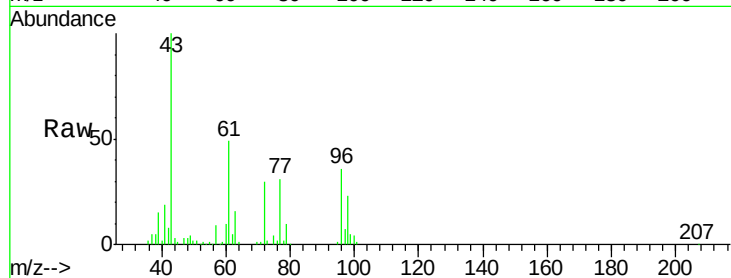
#25
2-Butanone
Concen: 108.977 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion: 43 Resp: 164744
Ion Ratio Lower Upper
43 100
72 30.4 24.8 37.2

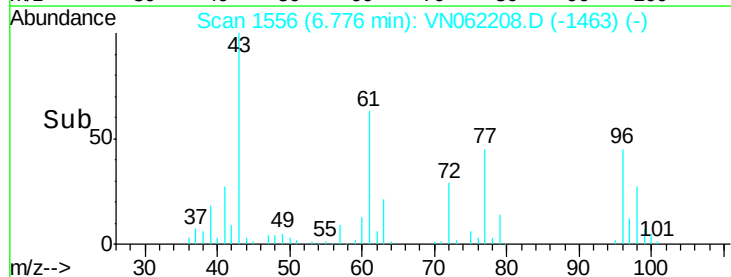
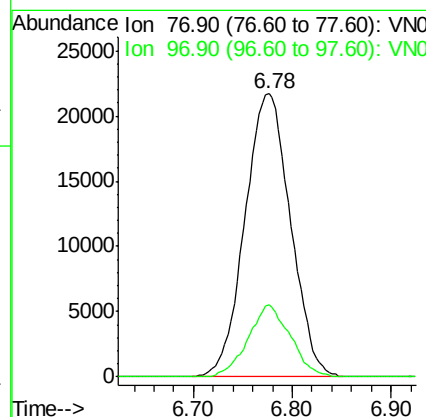
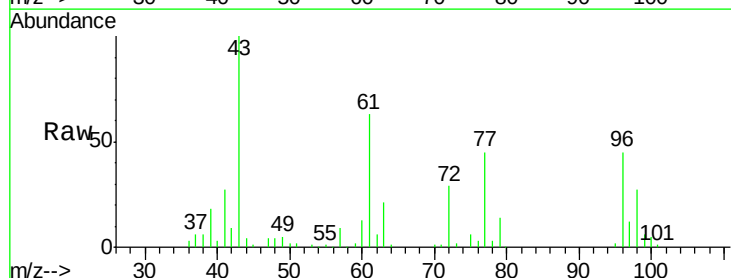
Manual Integrations
APPROVED

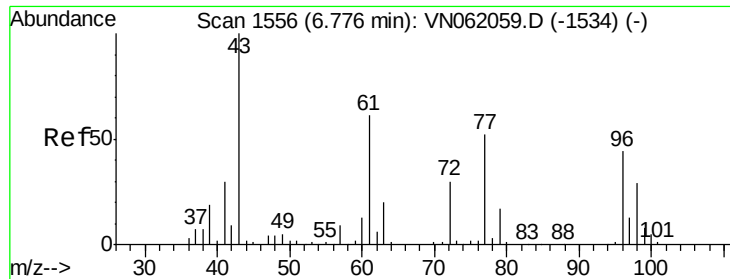
MMDadoda
6/30/2020 10:42:38 AM



#26
2,2-Dichloropropane
Concen: 16.466 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion: 77 Resp: 69315
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.739 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

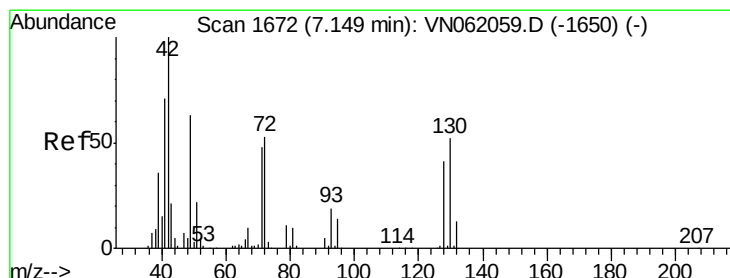
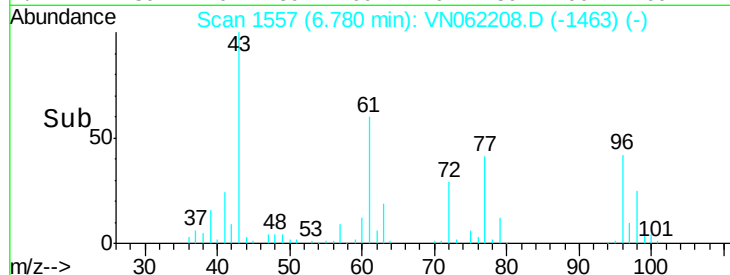
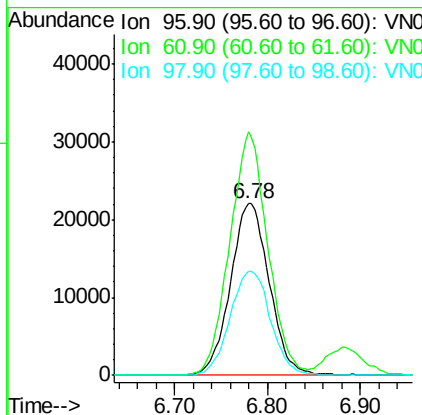
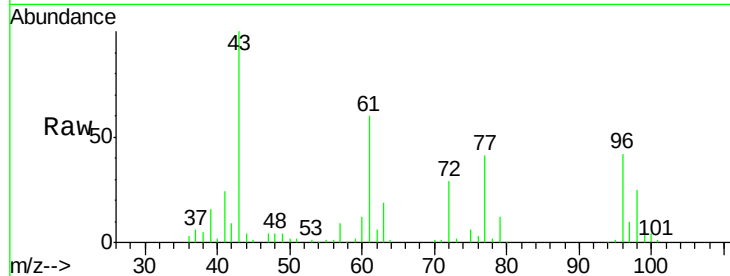
ClientSampleId :

VN0629WBSD02

Tot Ion:	96	Resp:	64034
Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	280.4
98	63.1	0.0	129.4

Manual Integrations
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6/30/2020 10:42:38 AM



#28

Bromochloromethane

Concen: 19.422 ug/l

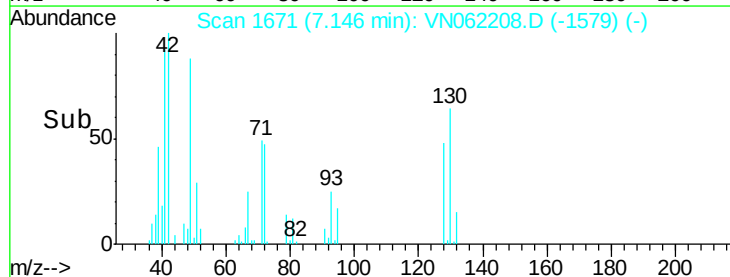
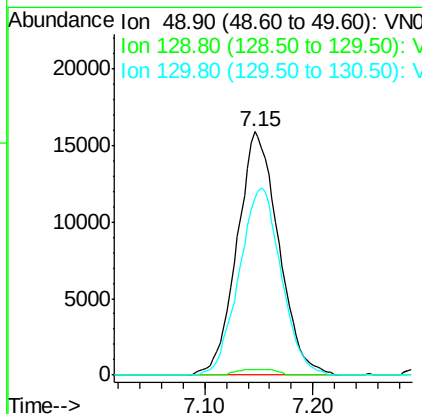
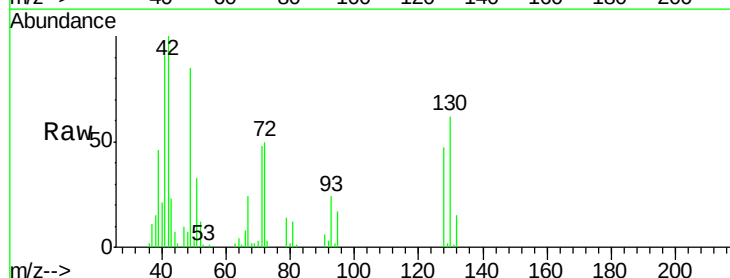
RT: 7.15 min Scan# 1671

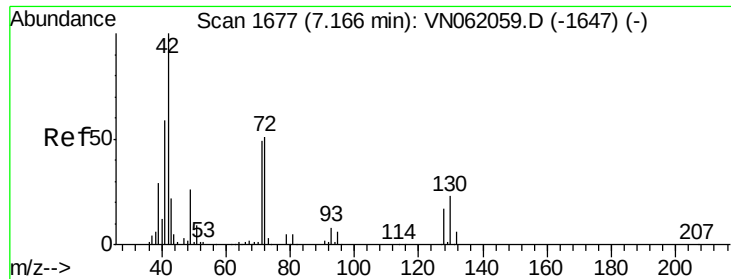
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	49	Resp:	42570
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	77.4	65.5	98.3





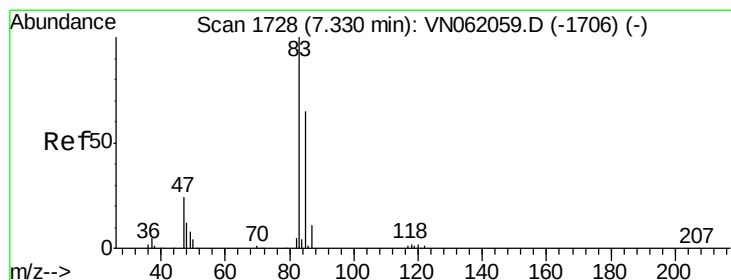
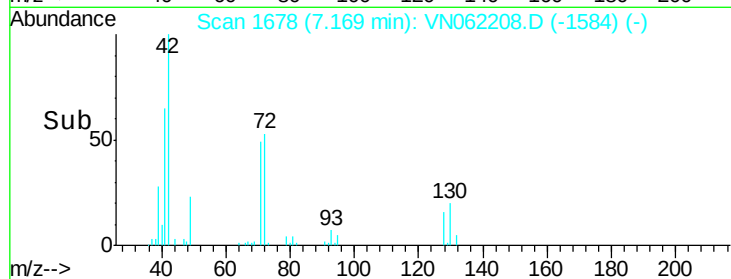
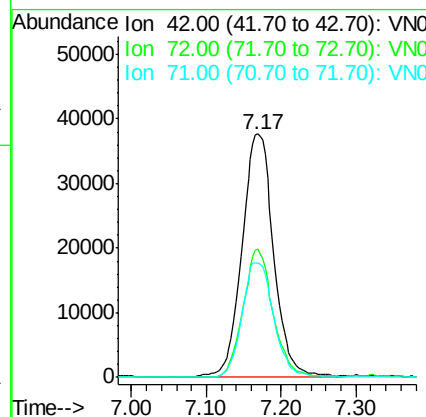
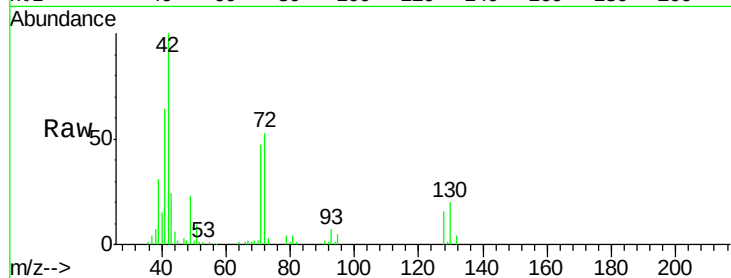
#29
Tetrahydrofuran
Concen: 112.174 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	41.1	61.7
71	46.9	38.2	57.4

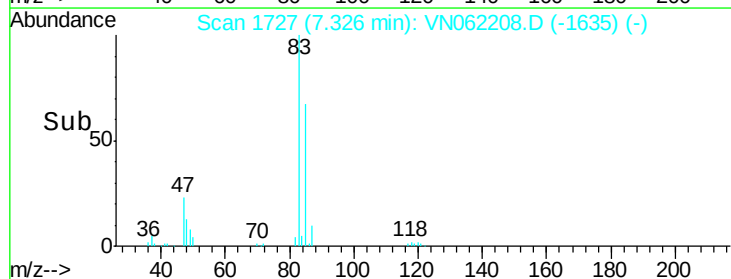
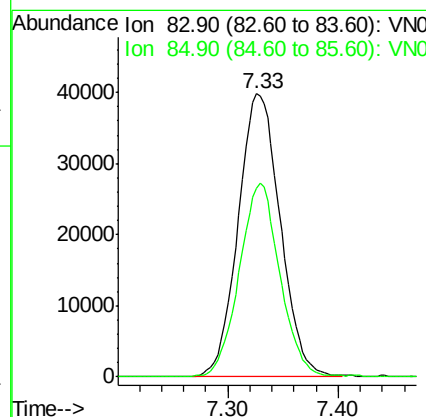
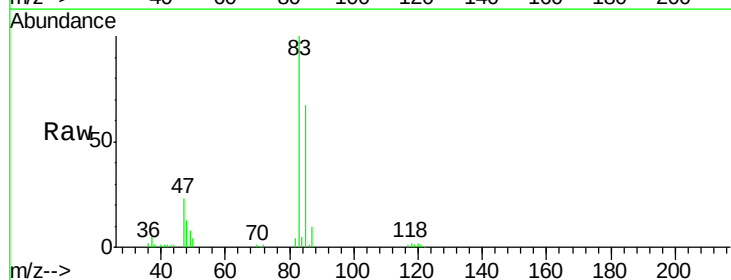
Manual Integrations
APPROVED

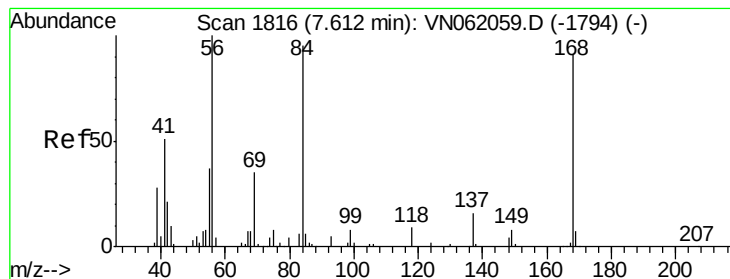
MMDadoda
6/30/2020 10:42:38 AM



#30
Chloroform
Concen: 20.457 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.3	78.5





#31

Cyclohexane

Concen: 20.298 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 56 Resp: 86732

Ion Ratio Lower Upper

56 100

69 36.4 28.0 42.0

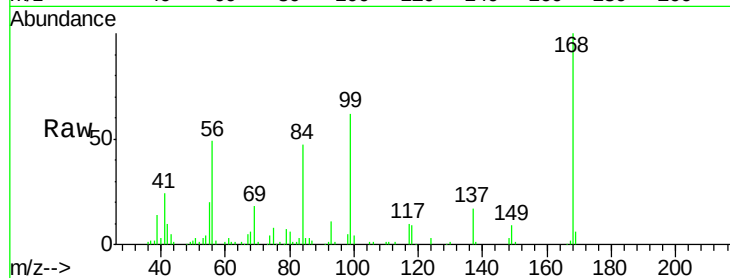
84 94.9 76.1 114.1

Manual Integrations

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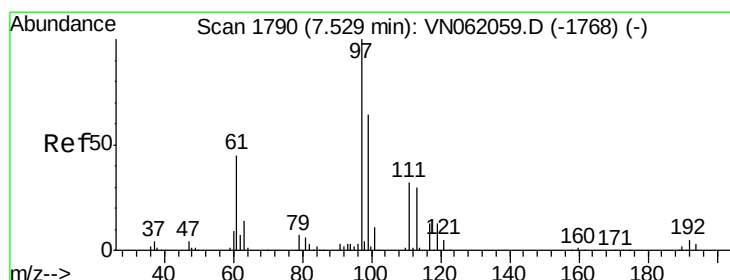
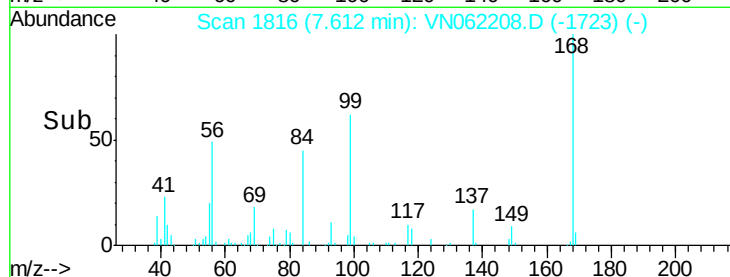
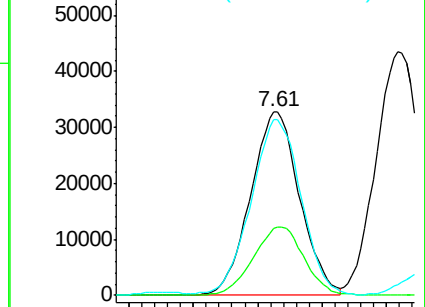
6/30/2020 10:42:38 AM



Abundance Ion 56.00 (55.70 to 56.70): VN062208.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062208.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062208.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 19.913 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

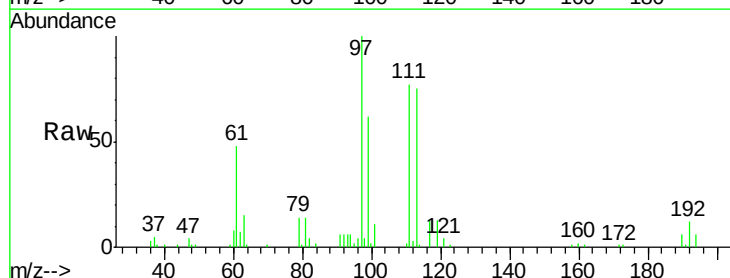
Tgt Ion: 97 Resp: 86312

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

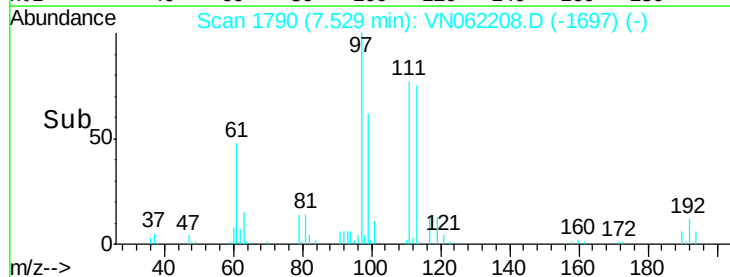
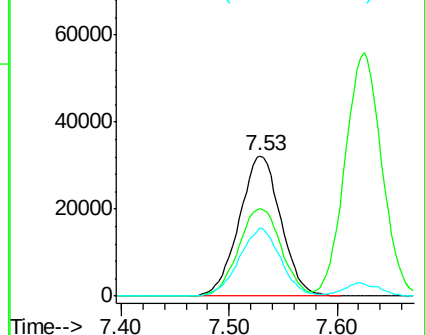
61 47.9 36.2 54.2

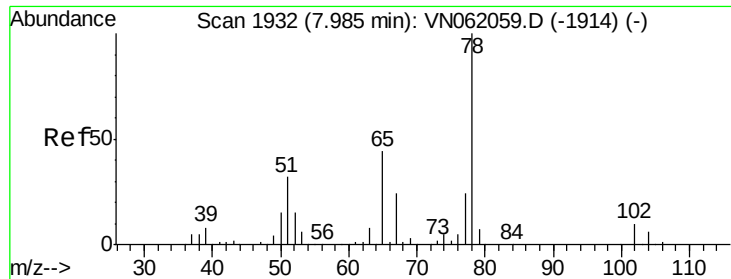


Abundance Ion 96.90 (96.60 to 97.60): VN062208.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062208.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062208.D (-1697) (-)





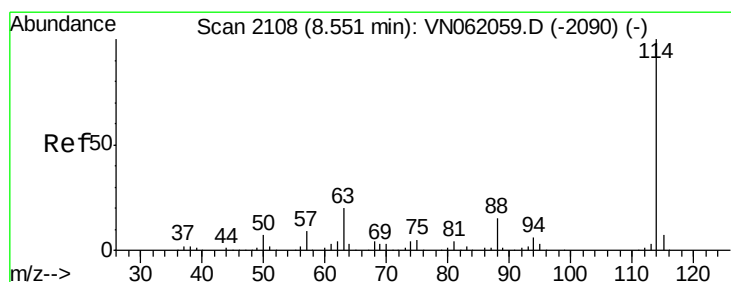
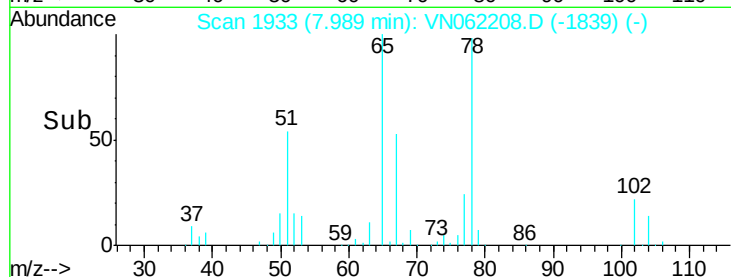
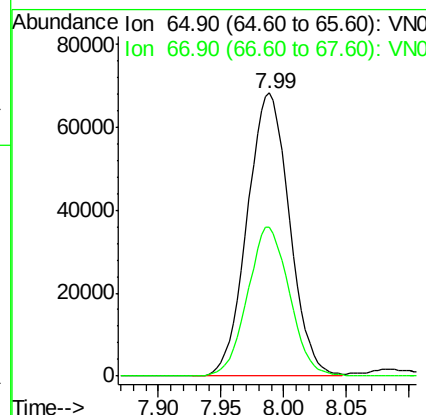
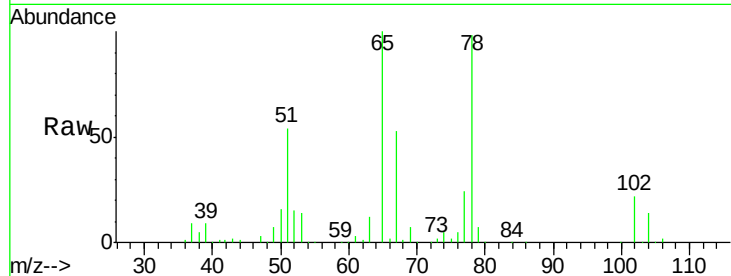
#33
 1,2-Dichloroethane-d4
 Concen: 51.675 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	106.2	

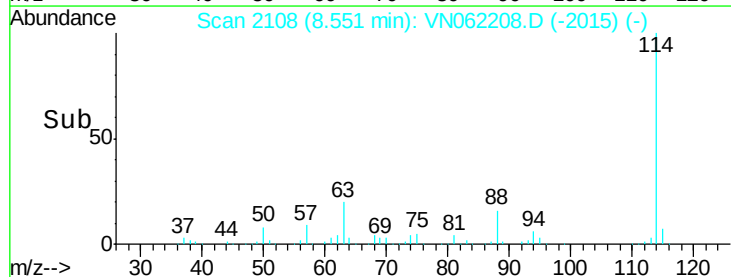
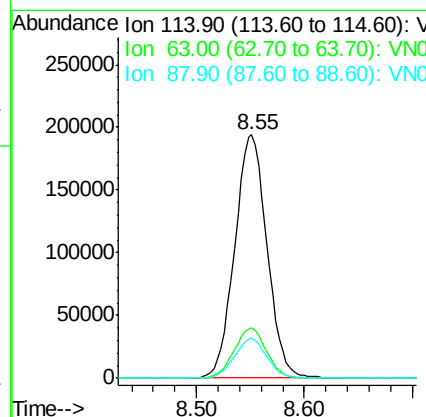
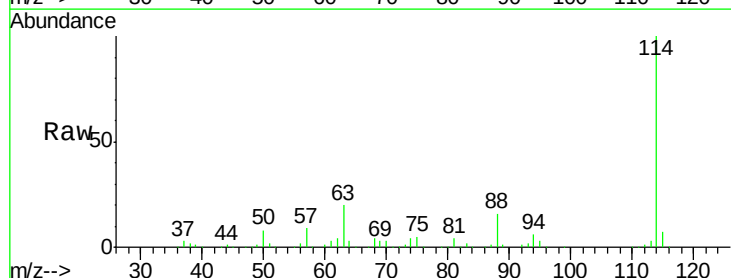
Manual Integrations
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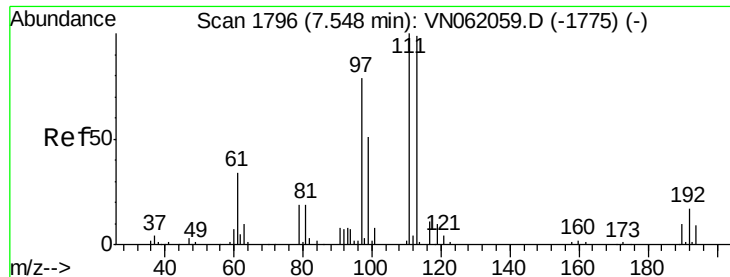
MMDadoda
 6/30/2020 10:42:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	39.2	
88	16.3	0.0	30.8	





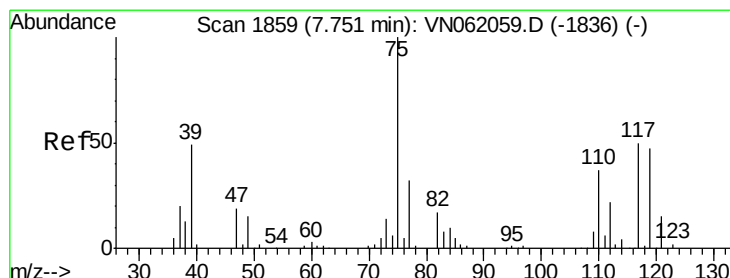
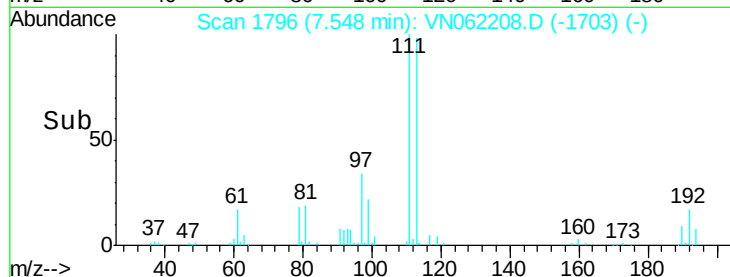
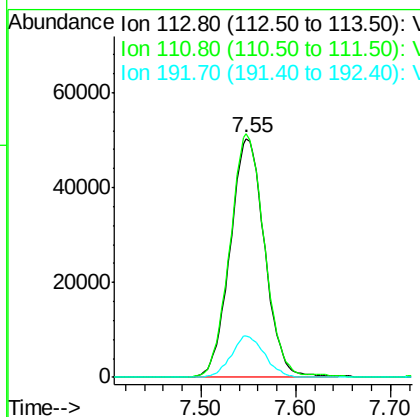
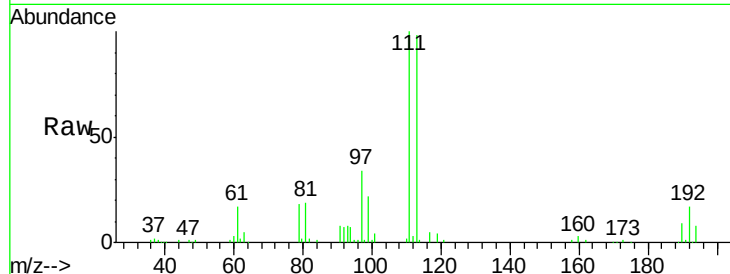
#35
 Dibromofluoromethane
 Concen: 49.294 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127833		
111	101.3	82.2	123.4	
192	16.7	14.0	21.0	

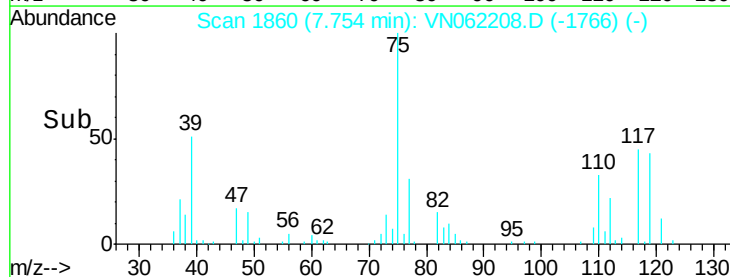
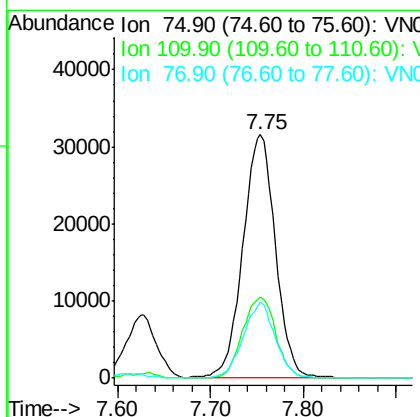
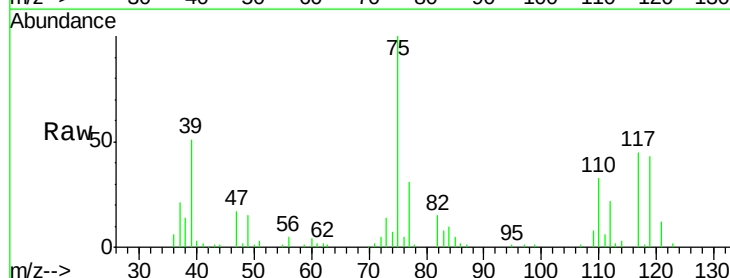
Manual Integrations
 APPROVED

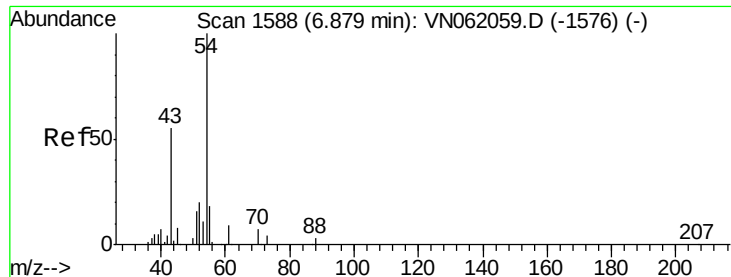
MMDadoda
 6/30/2020 10:42:38 AM



#36
 1,1-Dichloropropene
 Concen: 18.900 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76791		
110	34.0	17.9	53.8	
77	30.5	24.9	37.3	





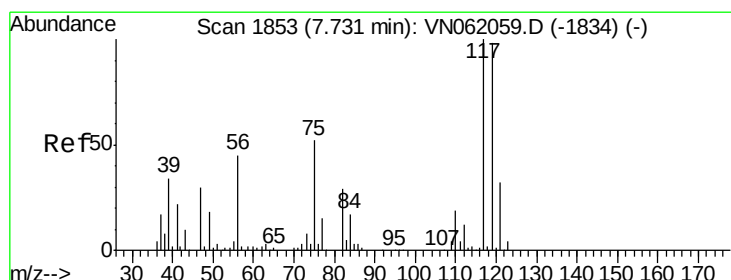
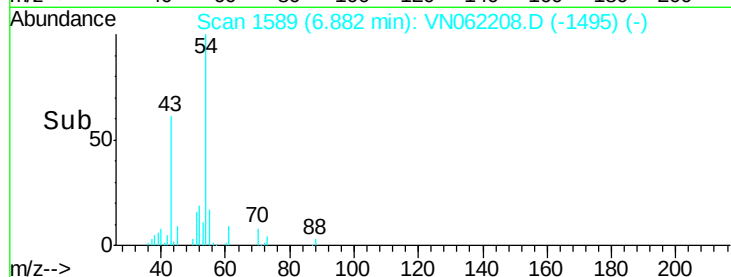
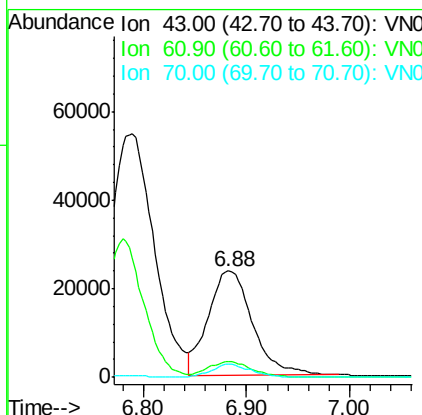
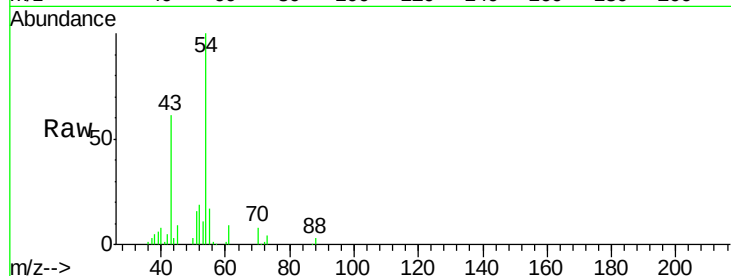
#37
Ethyl Acetate
Concen: 21.253 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	43	Resp	71503
Ion Ratio	100	Lower	Upper
43	100		
61	14.5	12.0	18.0
70	11.2	9.6	14.4

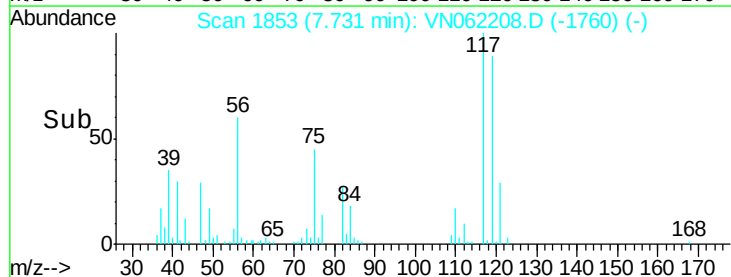
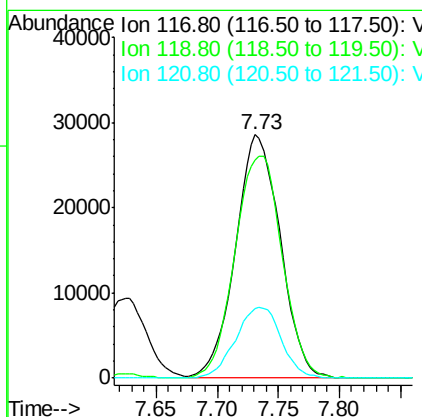
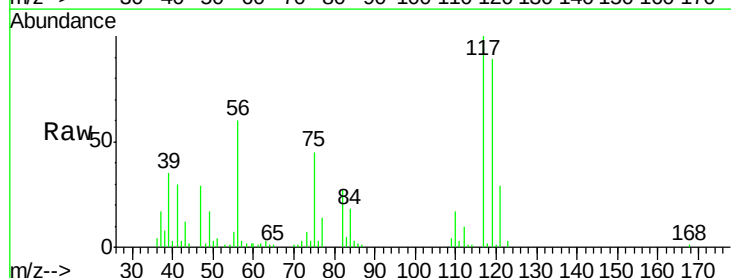
Manual Integrations
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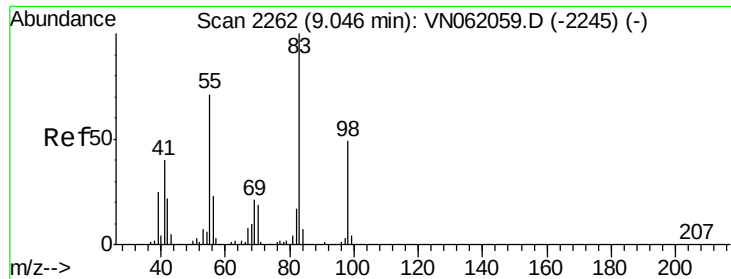
MMDadoda
6/30/2020 10:42:38 AM



#38
Carbon Tetrachloride
Concen: 18.975 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	117	Resp	72684
Ion Ratio	100	Lower	Upper
117	100		
119	89.5	78.2	117.2
121	28.6	25.8	38.6





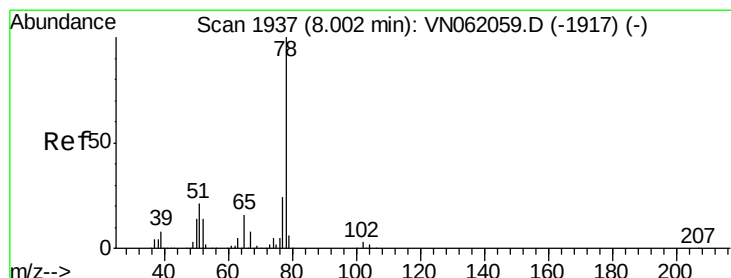
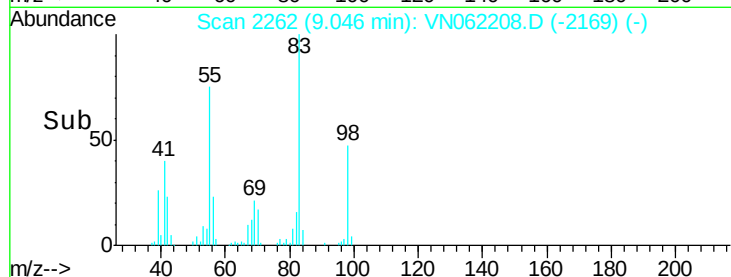
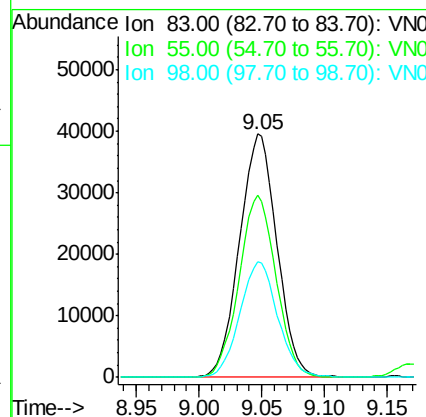
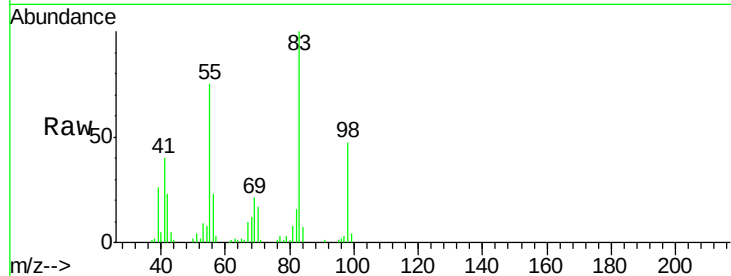
#39
Methylvlcyclohexane
Concen: 18.451 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	83	Resp	82142
Ion Ratio	Lower	Upper	
83	100		
55	74.7	57.0	85.6
98	47.3	39.0	58.6

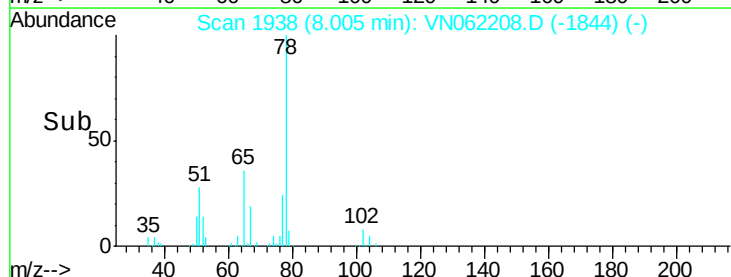
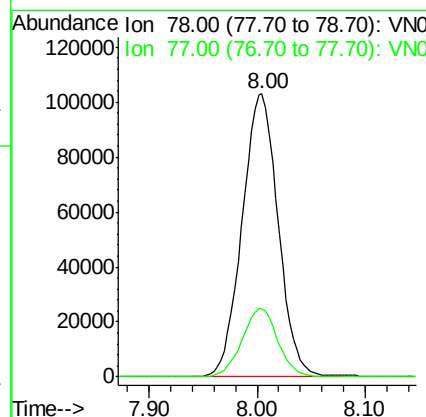
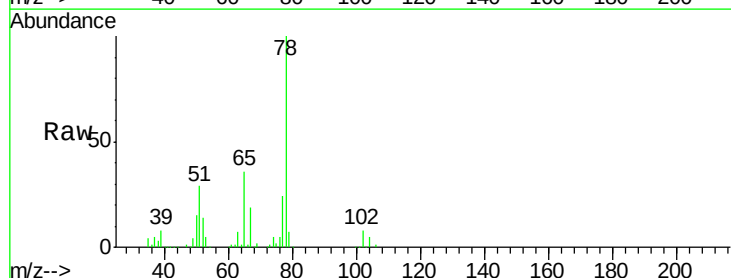
Manual Integrations
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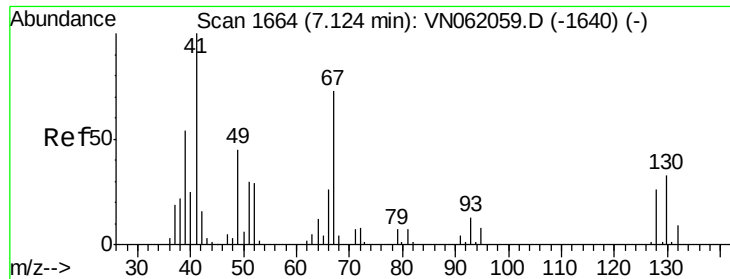
MMDadoda
6/30/2020 10:42:38 AM



#40
Benzene
Concen: 19.334 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	78	Resp	239433
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.5	29.3





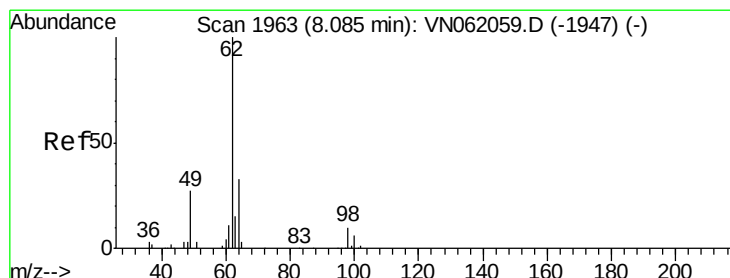
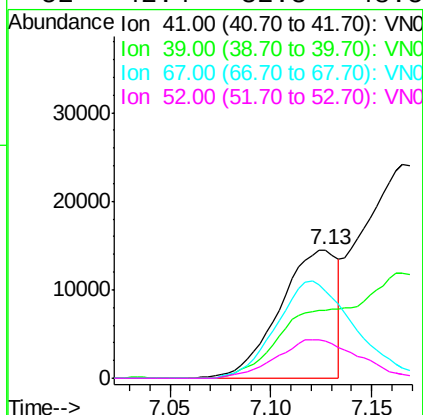
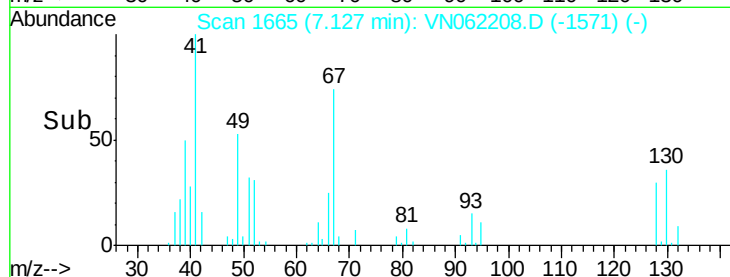
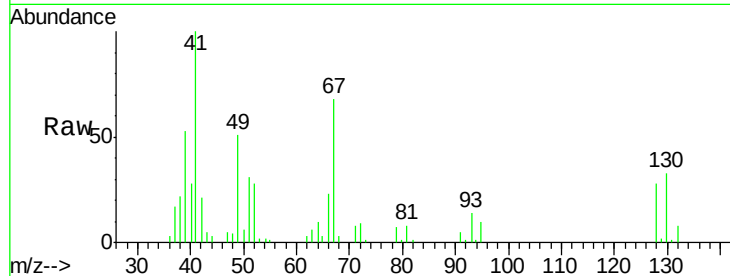
#41
Methacrylonitrile
Concen: 18.401 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	104.2	79.5	119.3
52	42.4	32.3	48.5

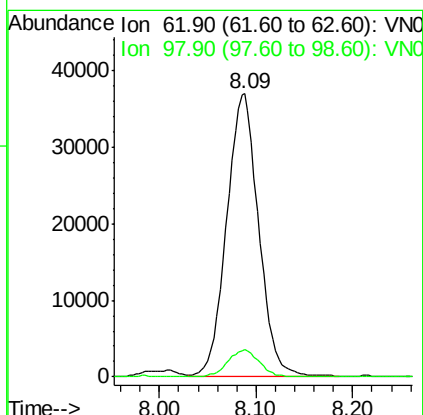
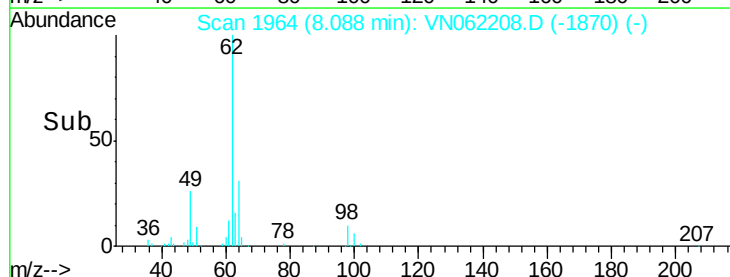
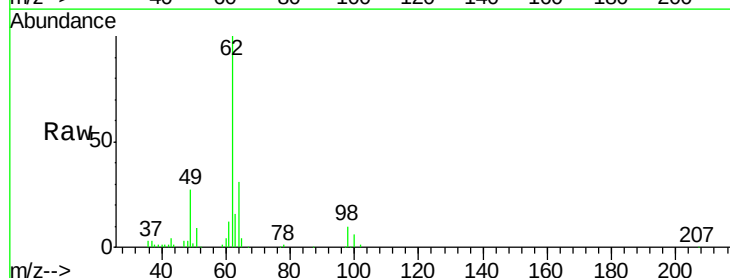
Manual Integrations
APPROVED

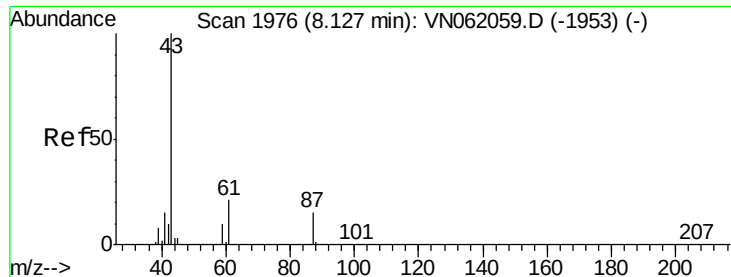
MMDadoda
6/30/2020 10:42:38 AM



#42
1,2-Dichloroethane
Concen: 20.381 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.819 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

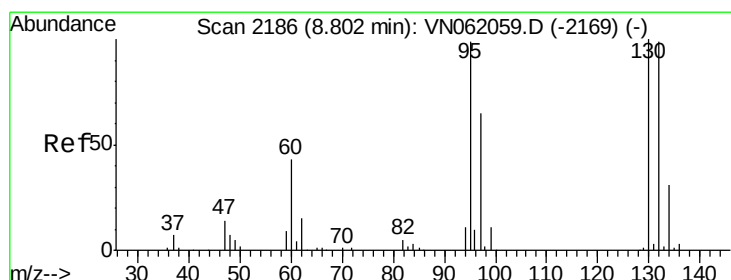
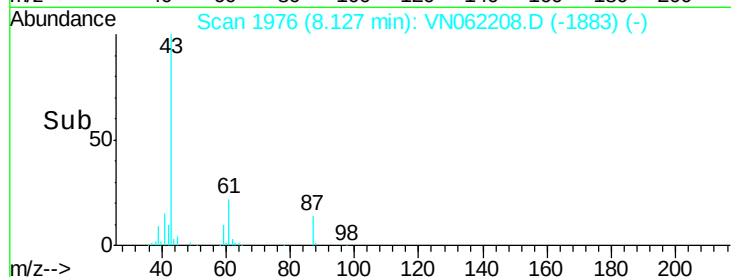
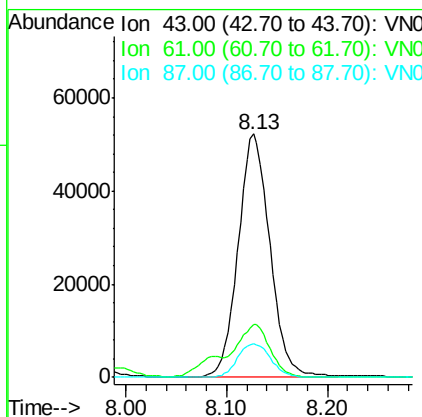
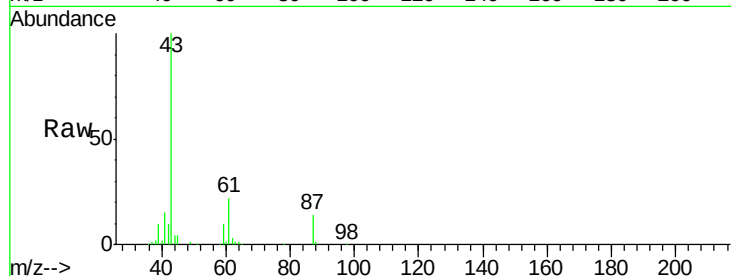
ClientSampleId :

VN0629WBSD02

Tot Ion:	43	Resp:	114182
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	14.4	12.1	18.1

Manual Integrations
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6/30/2020 10:42:38 AM



#44

Trichloroethene

Concen: 18.288 ug/l

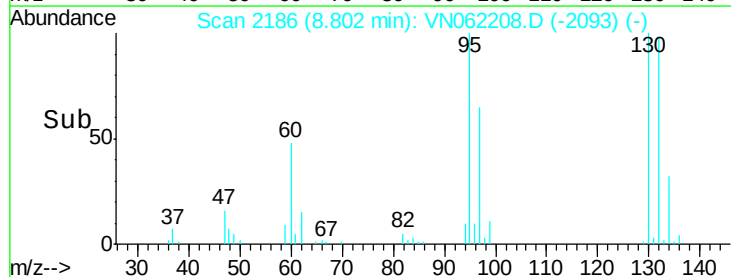
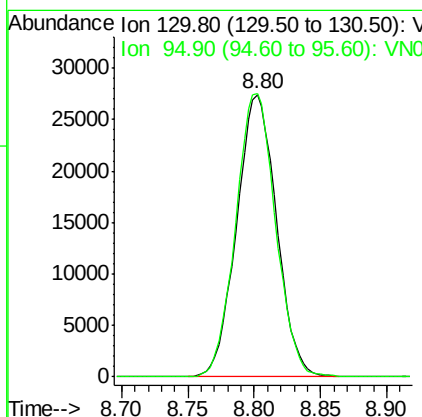
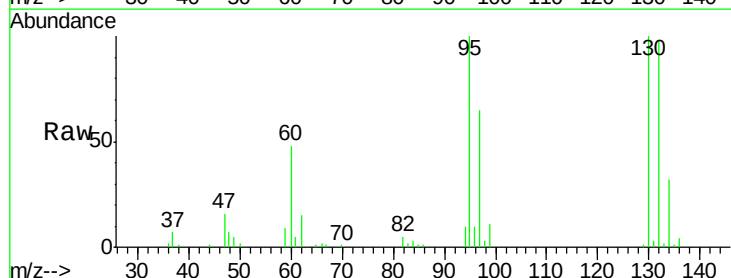
RT: 8.80 min Scan# 2186

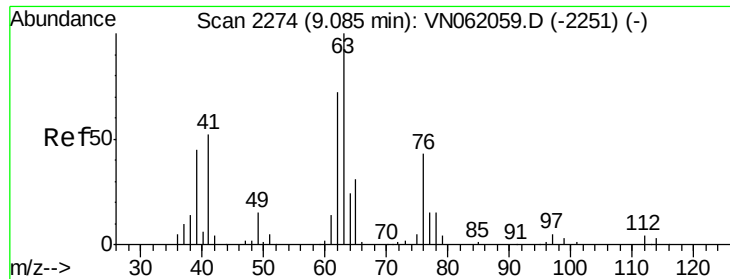
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	130	Resp:	57130
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	197.8





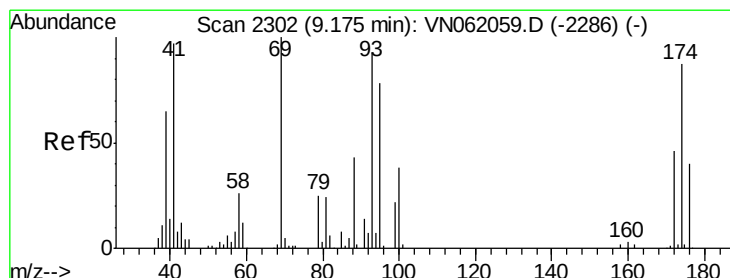
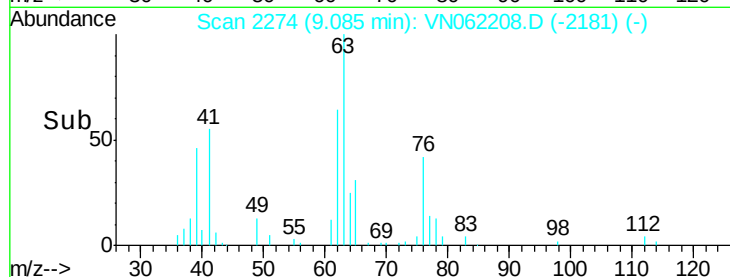
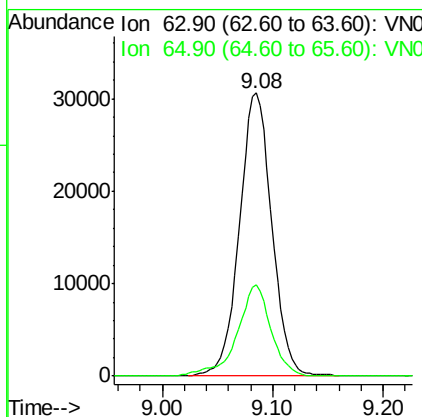
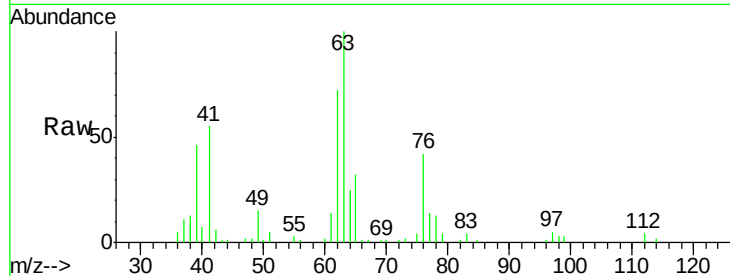
#45
 1,2-Dichloropropane
 Concen: 20.380 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion: 63 Resp: 62264
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4

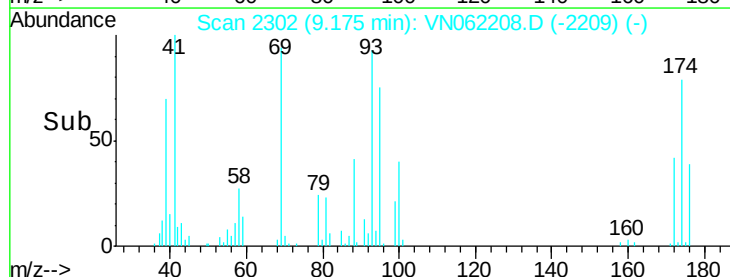
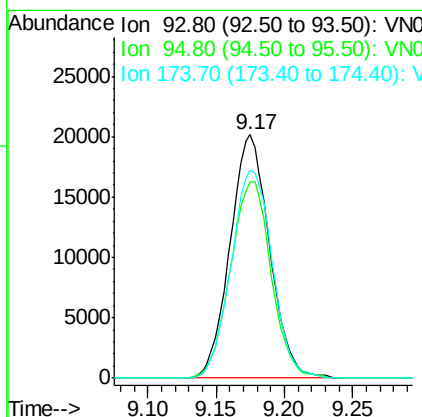
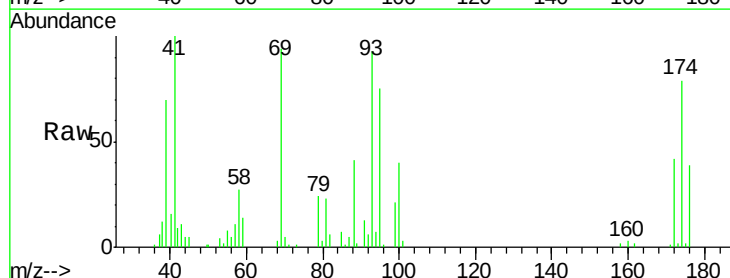
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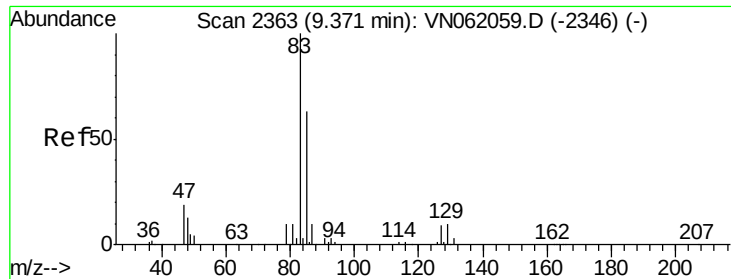
MMDadoda
 6/30/2020 10:42:38 AM



#46
 Dibromomethane
 Concen: 19.560 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion: 93 Resp: 40518
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 89.0 74.4 111.6





#47

Bromodichloromethane

Concen: 19.690 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

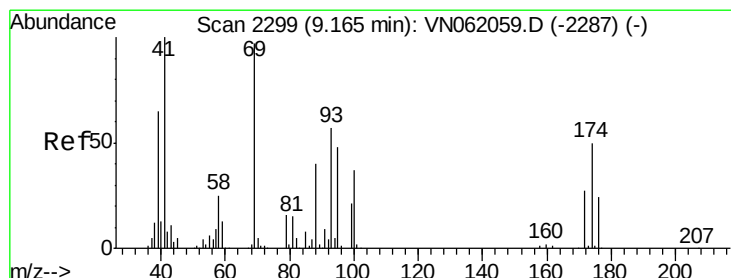
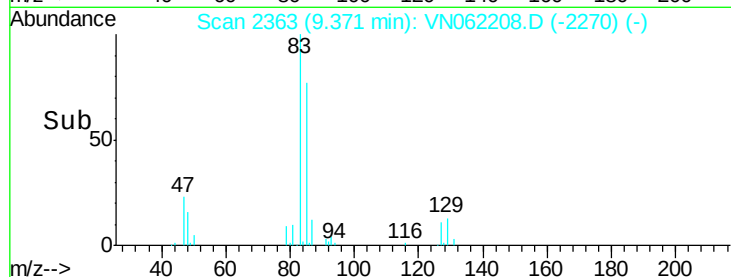
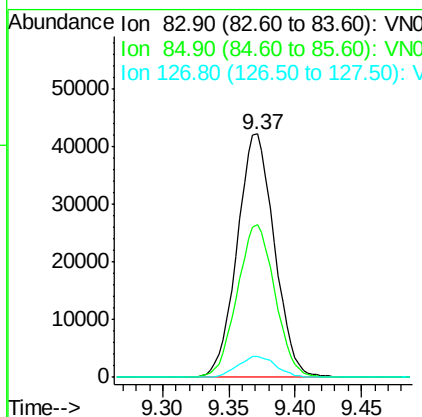
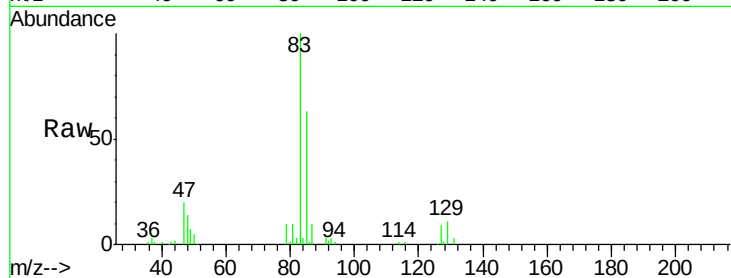
ClientSampleId :

VN0629WBSD02

Tot Ion:	83	Resp:	82353
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.3	75.5
127	8.7	6.9	10.3

Manual Integrations
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MMDadoda
6/30/2020 10:42:38 AM



#48

Methyl methacrylate

Concen: 20.587 ug/l

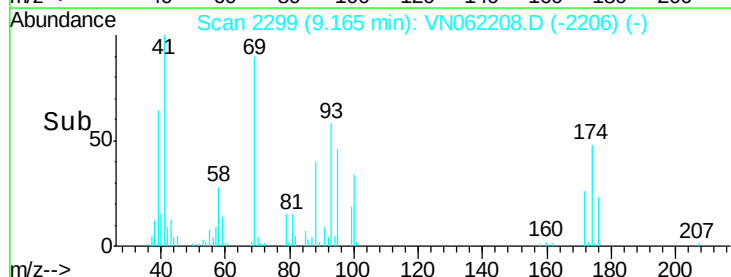
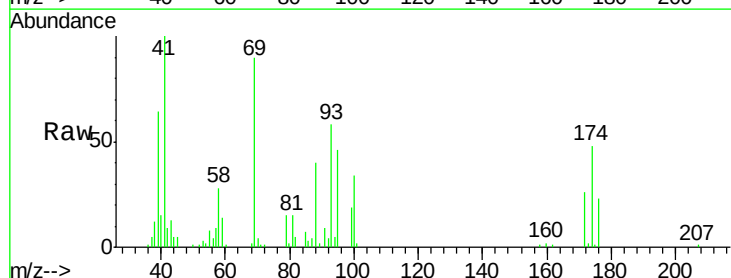
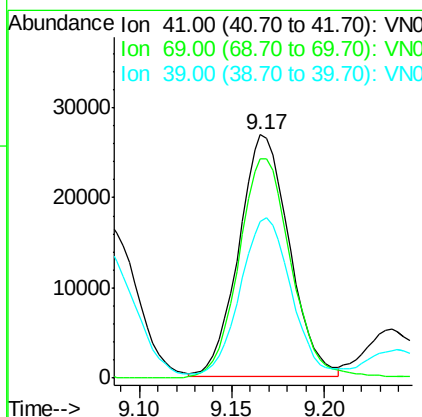
RT: 9.17 min Scan# 2299

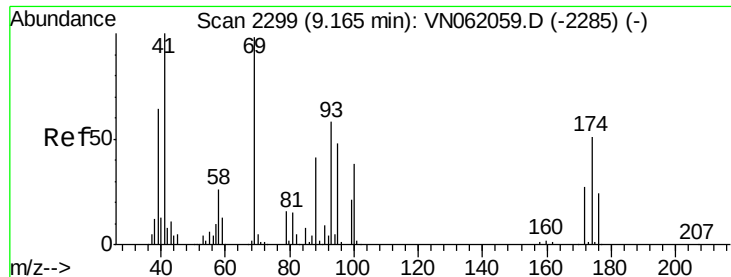
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	41	Resp:	50627
Ion	Ratio	Lower	Upper
41	100		
69	94.7	80.7	121.1
39	67.5	54.5	81.7





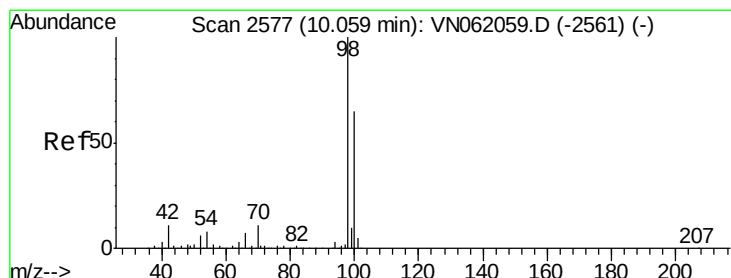
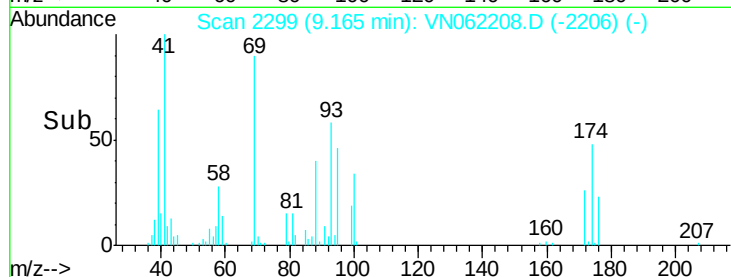
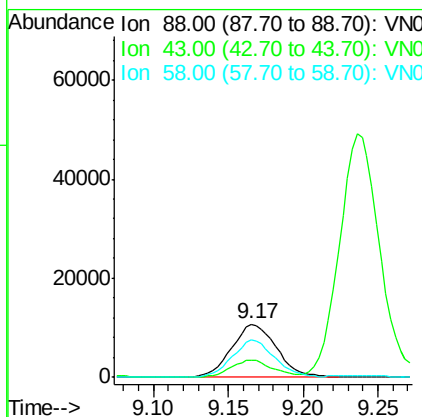
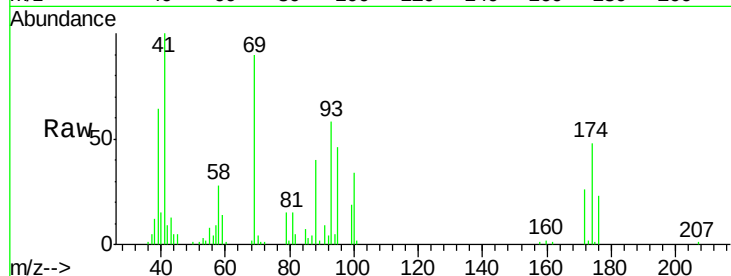
#49
1,4-Dioxane
Concen: 410.366 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	88	Resp	22379
Ion	Ratio	Lower	Upper
88	100		
43	30.7	22.0	33.0
58	66.5	49.2	73.8

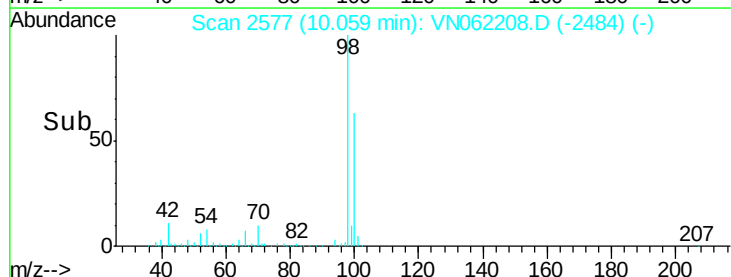
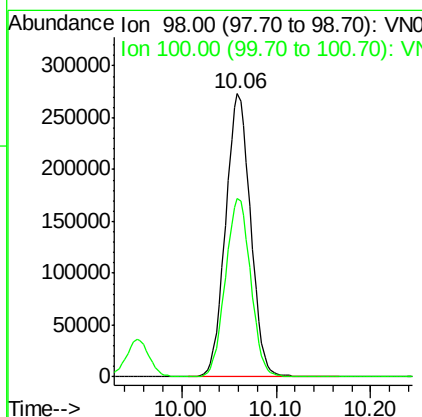
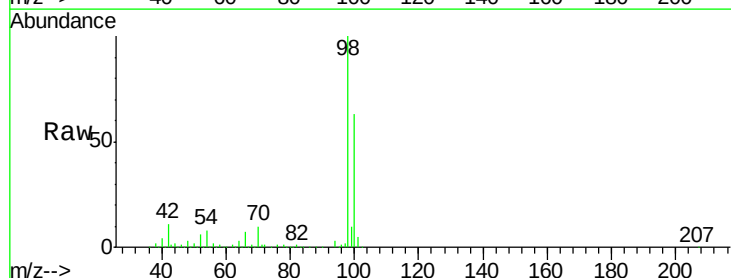
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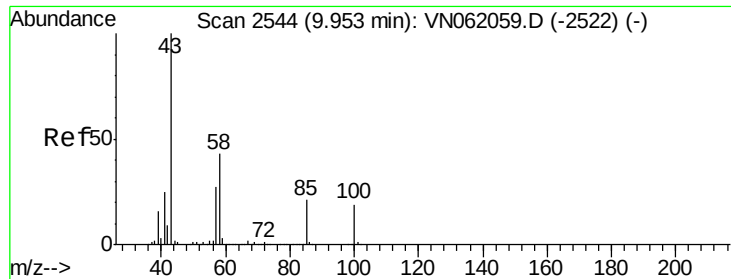
MMDadoda
6/30/2020 10:42:38 AM



#50
Toluene-d8
Concen: 48.284 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	98	Resp	500521
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 108.114 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 43 Resp: 346439

Ion Ratio Lower Upper

43 100

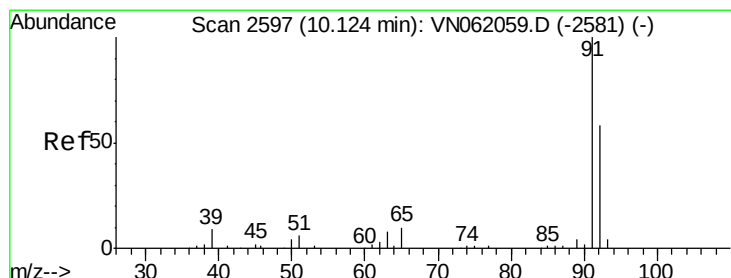
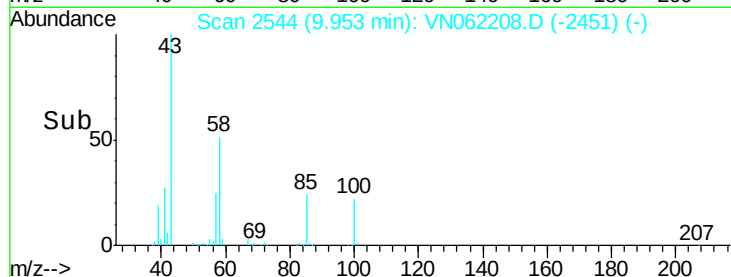
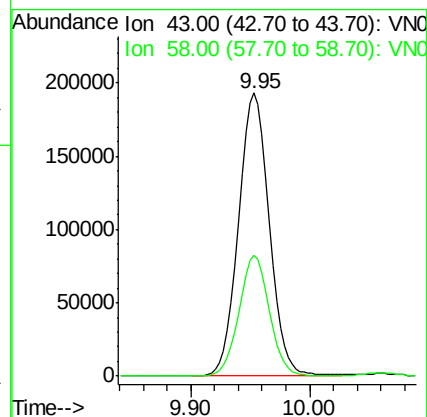
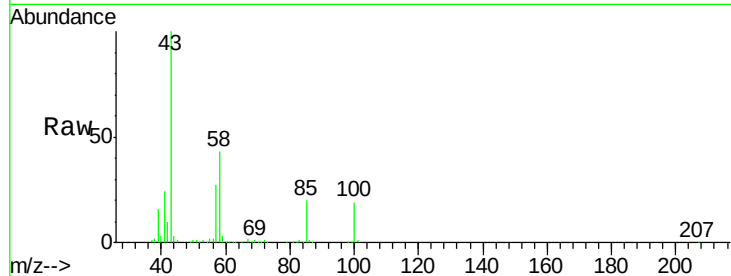
58 42.1 34.2 51.2

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MMDadoda

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#52

Toluene

Concen: 19.650 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062208.D

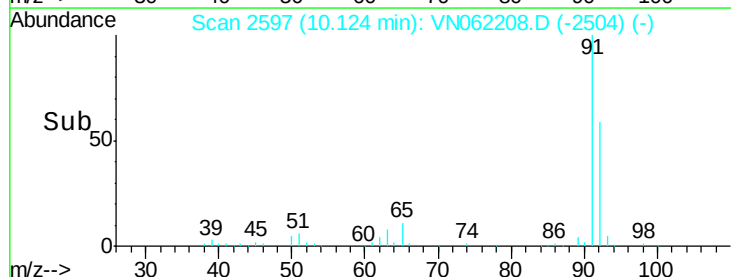
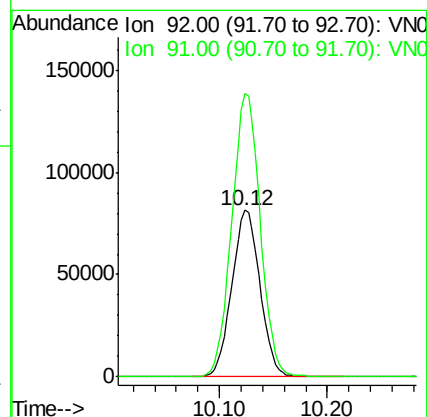
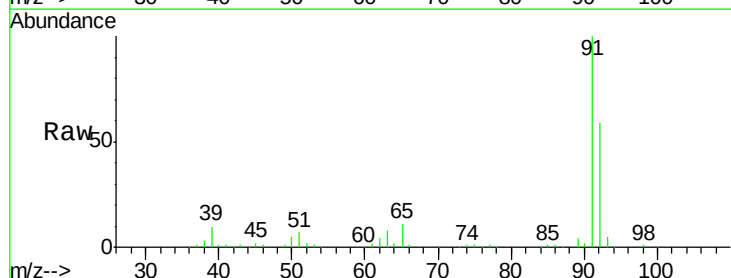
Acq: 30 Jun 2020 00:33

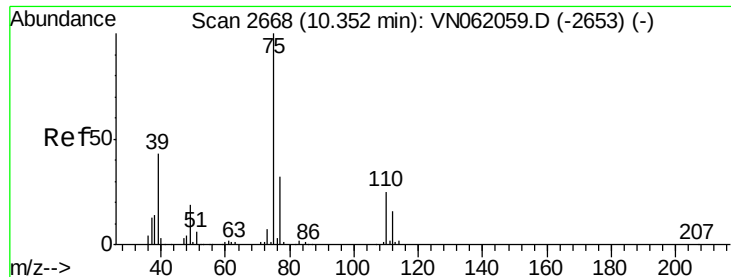
Tgt Ion: 92 Resp: 148477

Ion Ratio Lower Upper

92 100

91 171.3 137.4 206.0





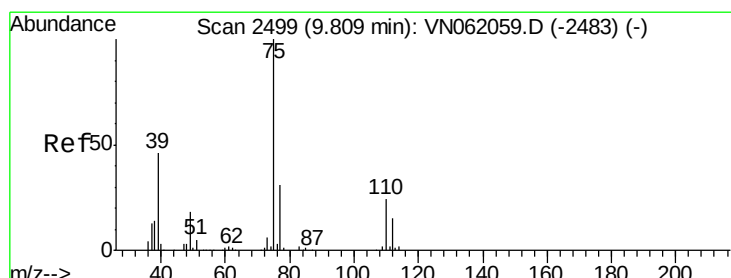
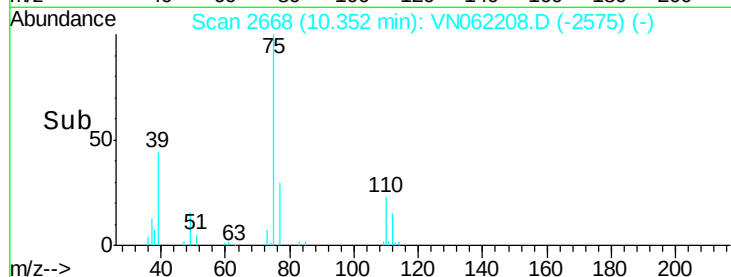
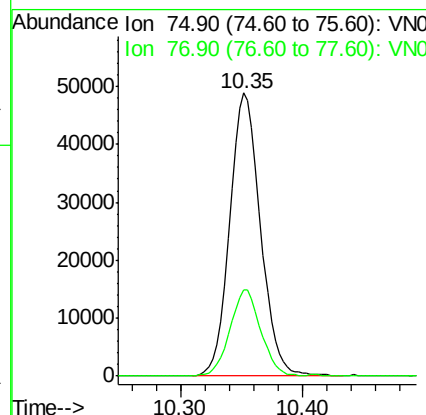
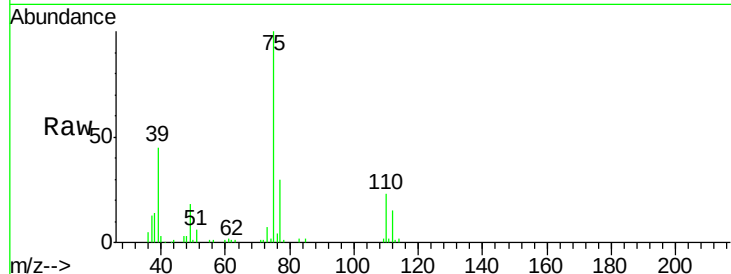
#53
t-1,3-Dichloropropene
Concen: 18.735 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD02

Tot Ion: 75 Resp: 86211
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3

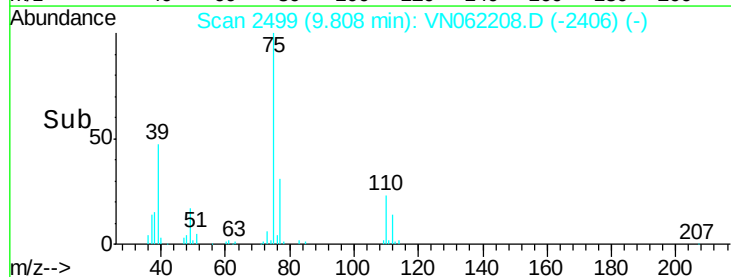
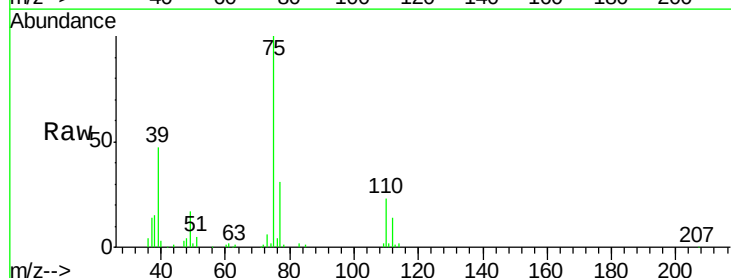
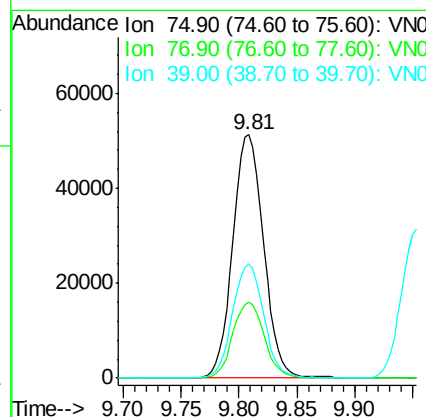
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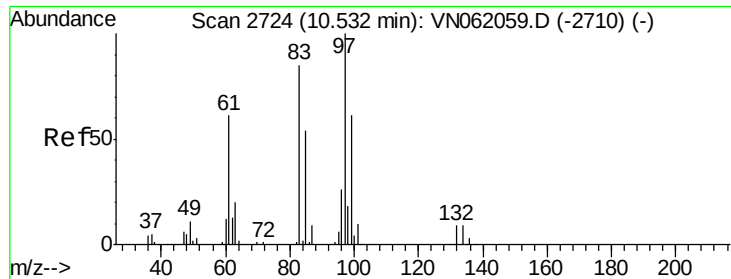
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.357 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion: 75 Resp: 94828
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6
39 46.9 36.9 55.3





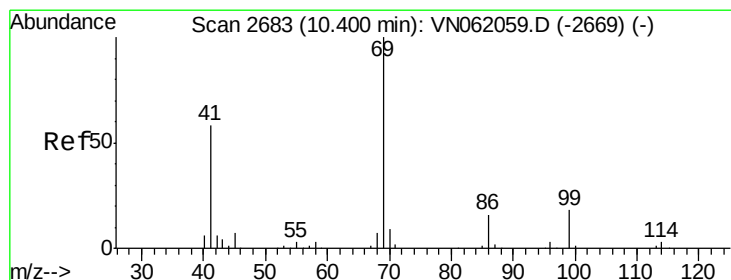
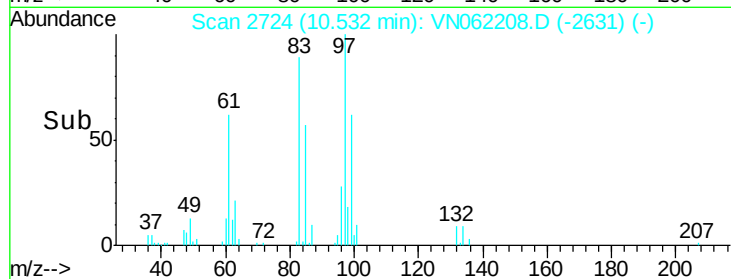
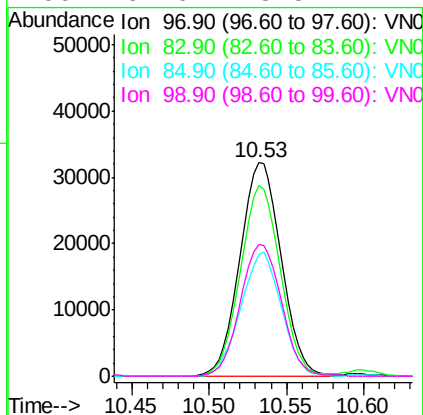
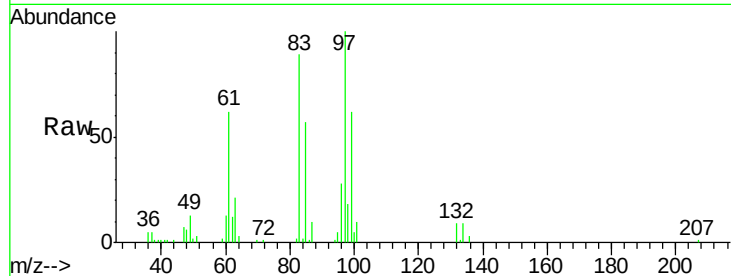
#55
 1,1,2-Trichloroethane
 Concen: 20.209 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.2	102.2
85	56.7	43.2	64.8
99	61.6	48.5	72.7

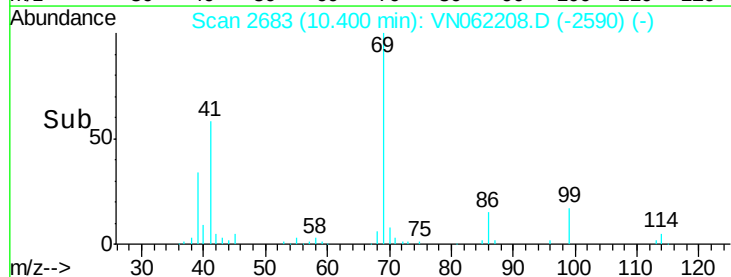
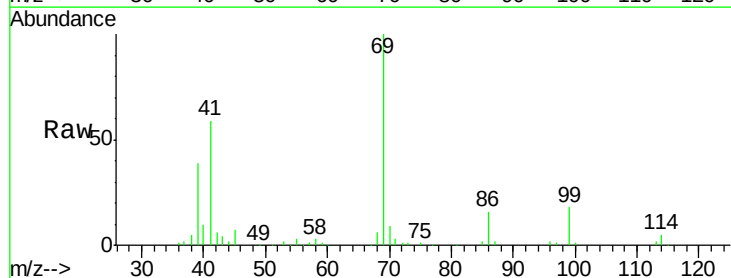
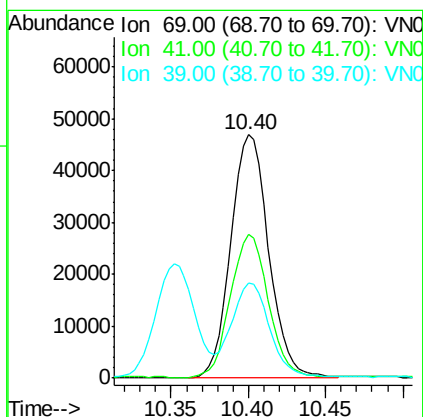
Manual Integrations
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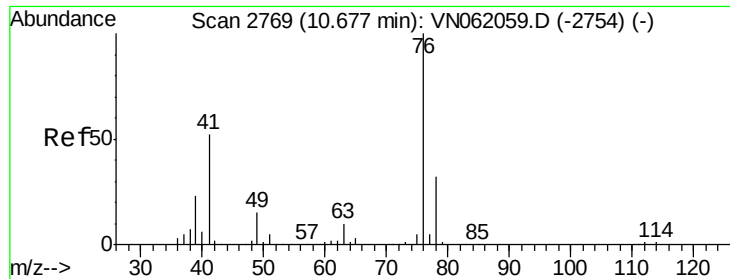
MMDadoda
 6/30/2020 10:42:38 AM



#56
 Ethyl methacrylate
 Concen: 20.154 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.6	70.0
39	38.4	31.0	46.4





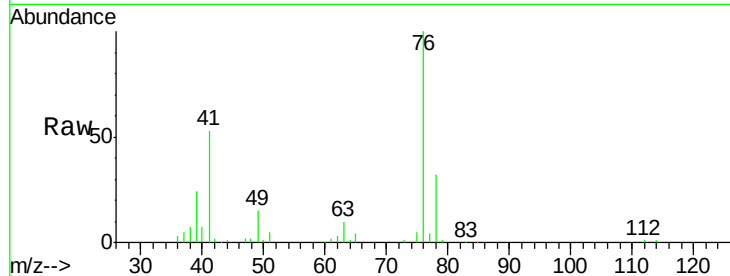
#57
 1,3-Dichloropropane
 Concen: 20.186 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

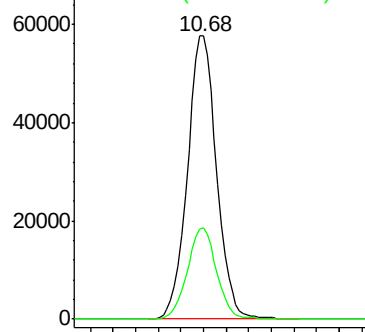
Tot Ion: 76 Resp: 103199
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

Manual Integrations
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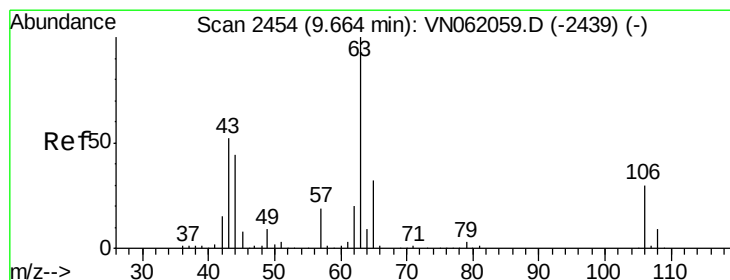
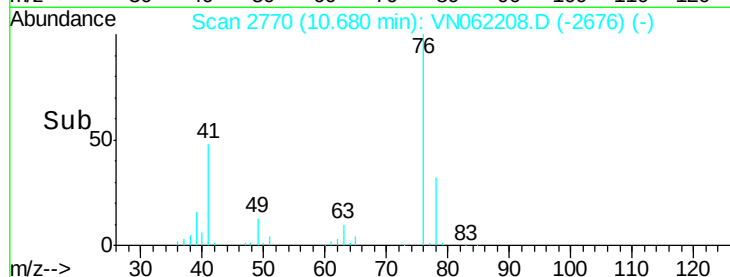
MMDadoda
 6/30/2020 10:42:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

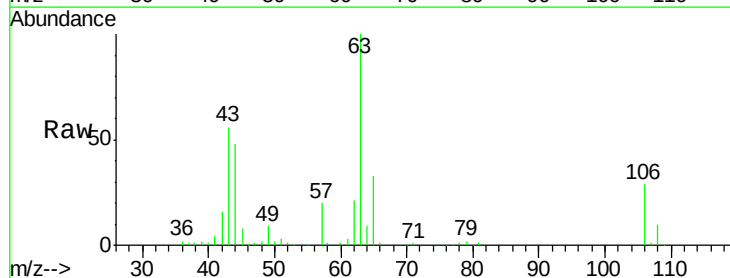


Time-->

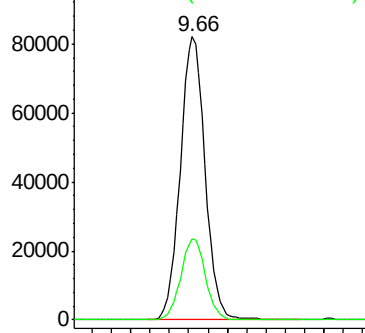


#58
 2-Chloroethyl Vinyl ether
 Concen: 96.949 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

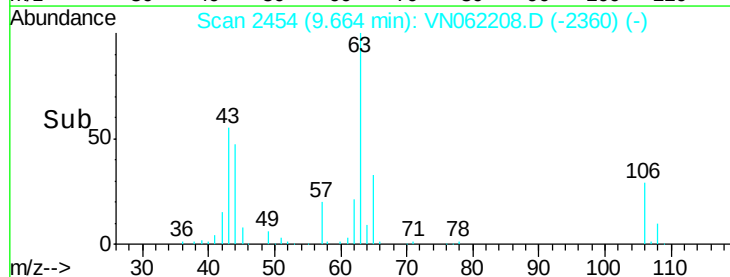
Tgt Ion: 63 Resp: 145834
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.2 34.8

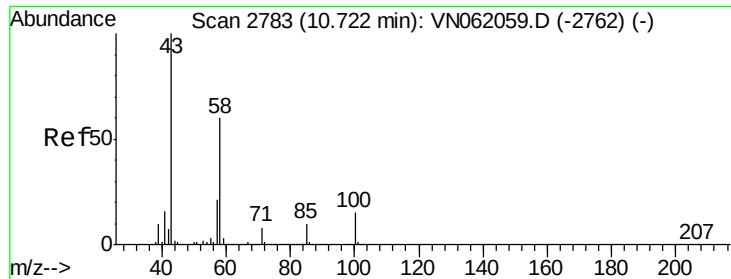


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 105.90 (105.60 to 106.60): V



Time-->





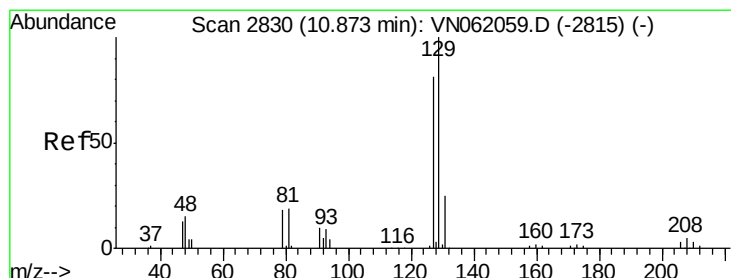
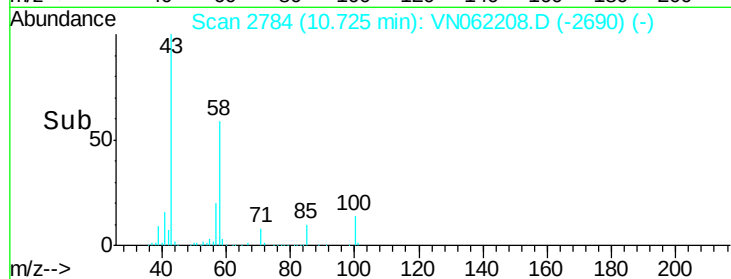
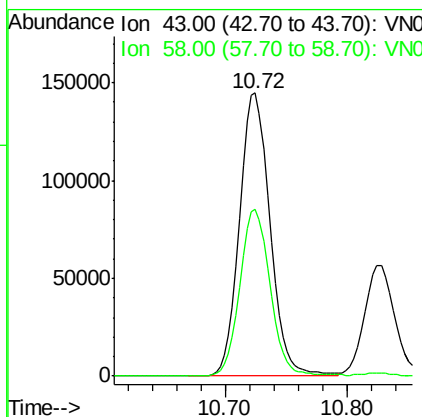
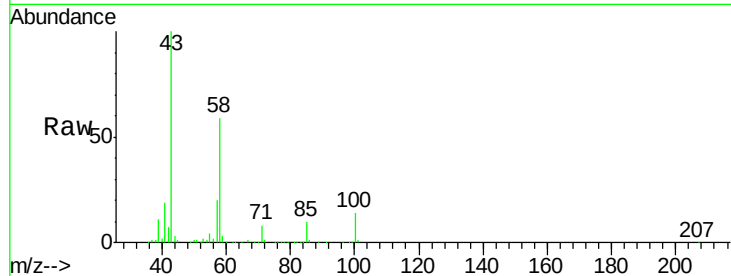
#59
2-Hexanone
Concen: 108.331 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	43	Resp	250667
Ion Ratio	100	Lower	Upper
43	100		
58	58.1	29.5	88.5

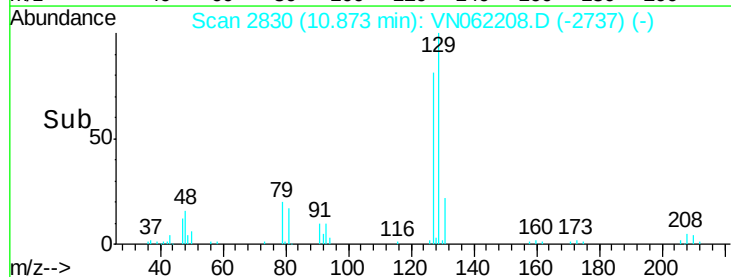
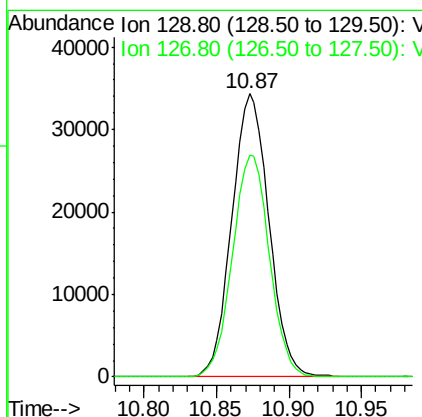
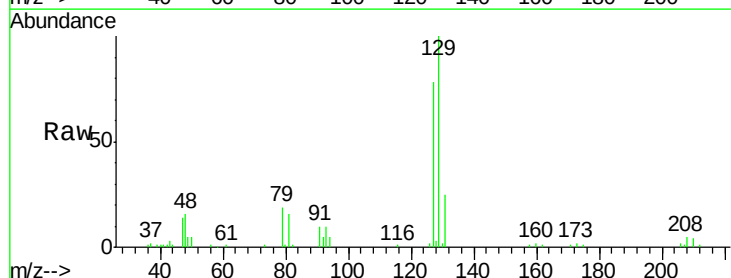
Manual Integrations
APPROVED

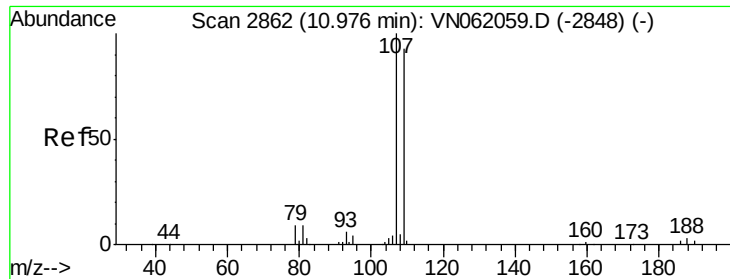
MMDadoda
6/30/2020 10:42:38 AM



#60
Dibromochloromethane
Concen: 19.443 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	129	Resp	61141
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	39.5	118.5





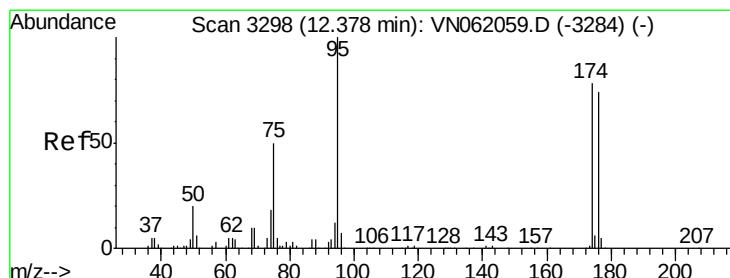
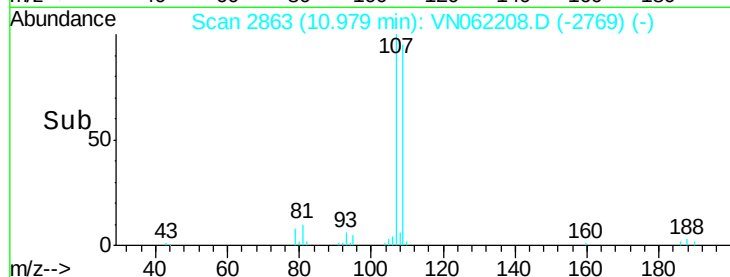
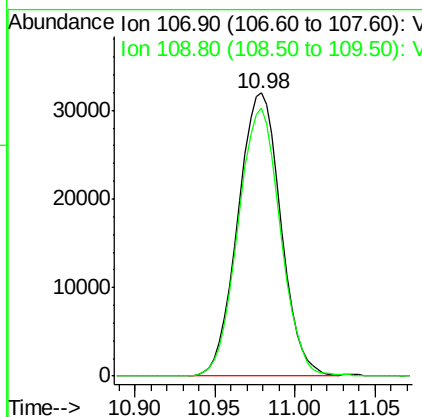
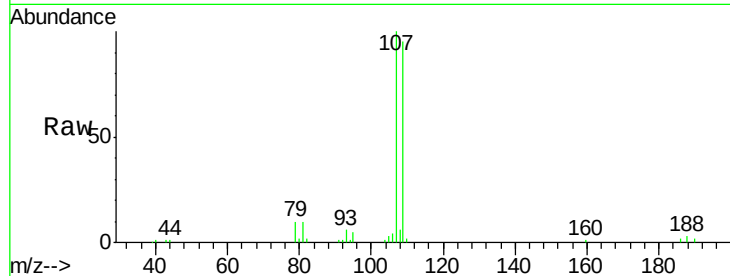
#61
 1,2-Dibromoethane
 Concen: 19.201 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion: 107 Resp: 58600
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.6

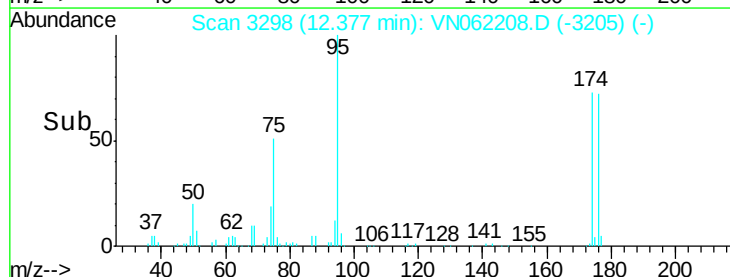
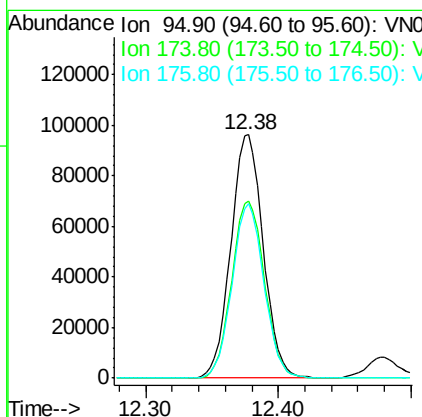
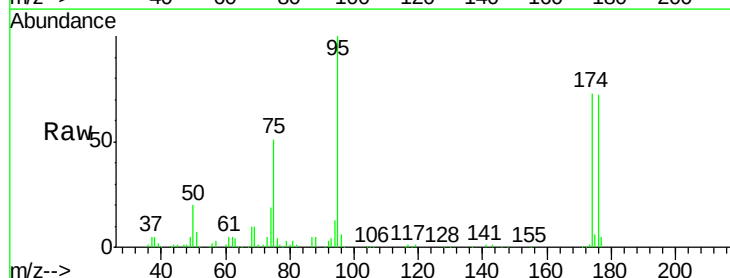
Manual Integrations
 APPROVED

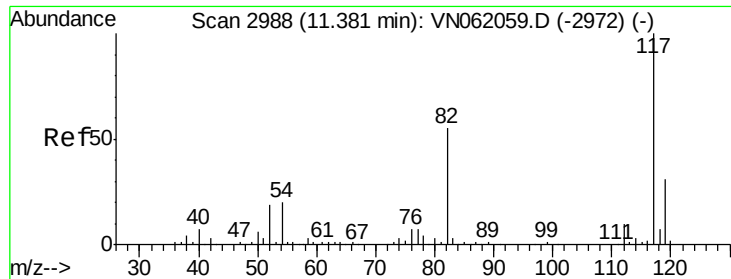
MMDadoda
 6/30/2020 10:42:38 AM



#62
 4-Bromofluorobenzene
 Concen: 46.621 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion: 95 Resp: 163281
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 154.8
 176 70.5 0.0 147.4





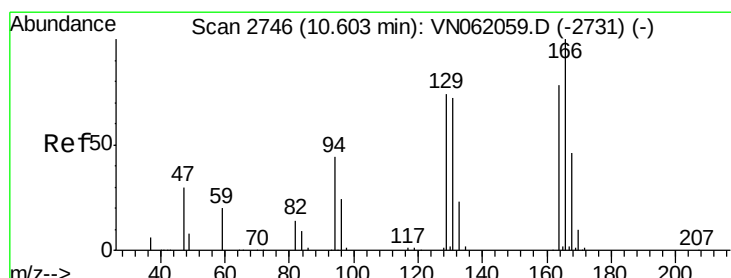
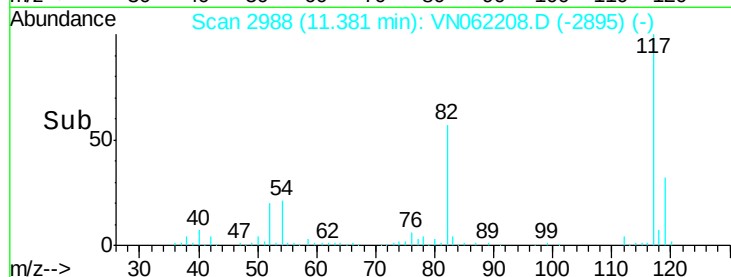
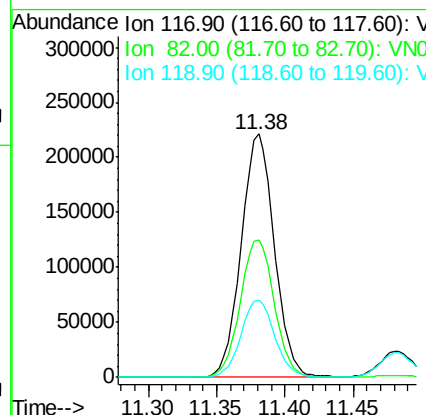
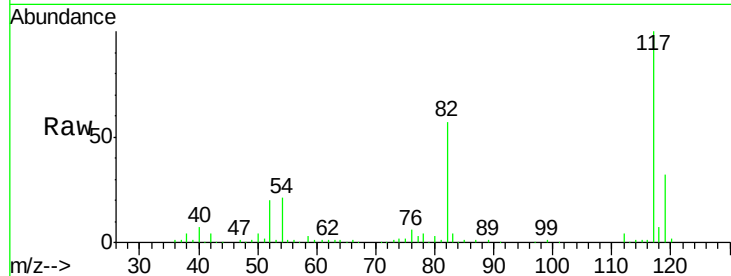
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	43.8	65.8
119	31.8	25.2	37.8

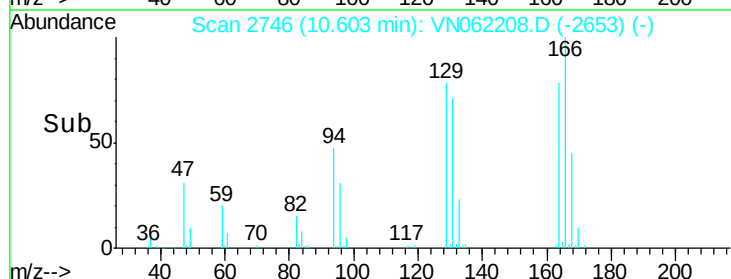
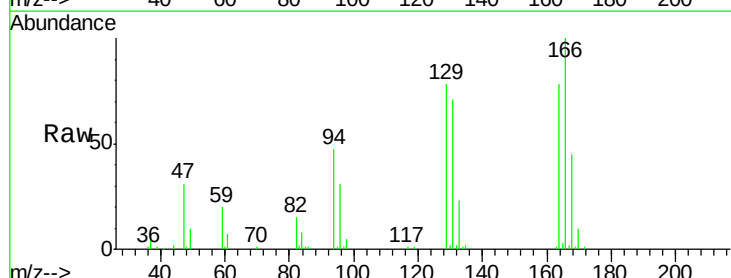
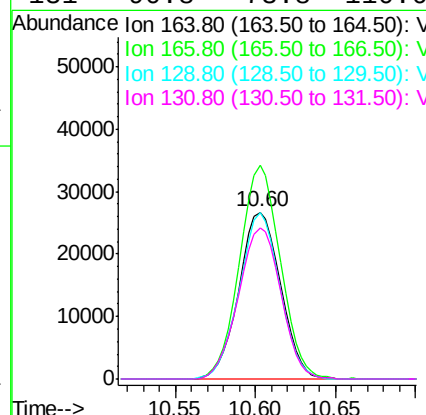
Manual Integrations
APPROVED

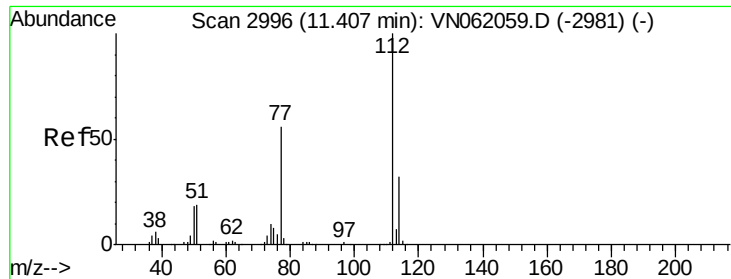
MMDadoda
6/30/2020 10:42:38 AM



#64
Tetrachloroethene
Concen: 18.524 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.9	154.3
129	99.4	75.8	113.8
131	90.8	73.8	110.6





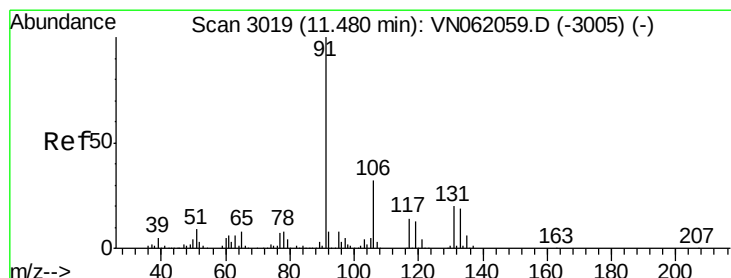
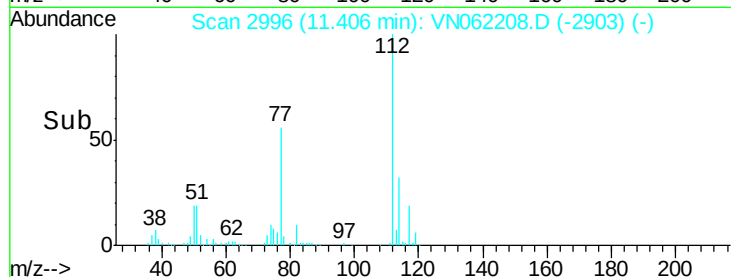
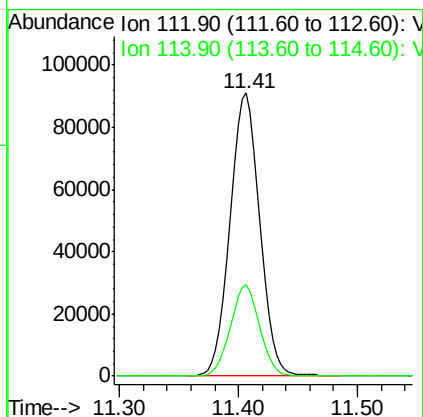
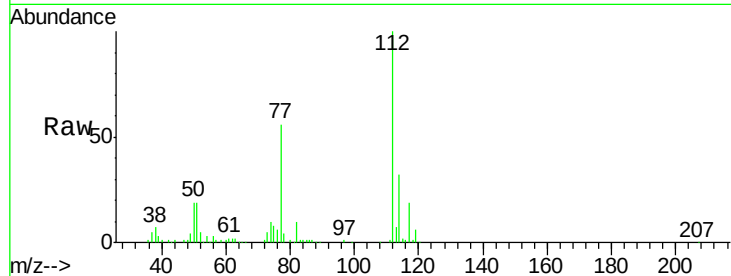
#65
Chlorobenzene
Concen: 19.181 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

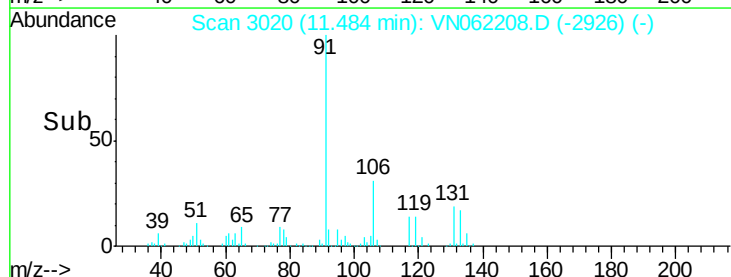
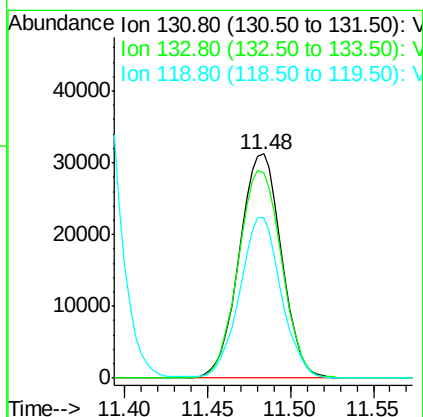
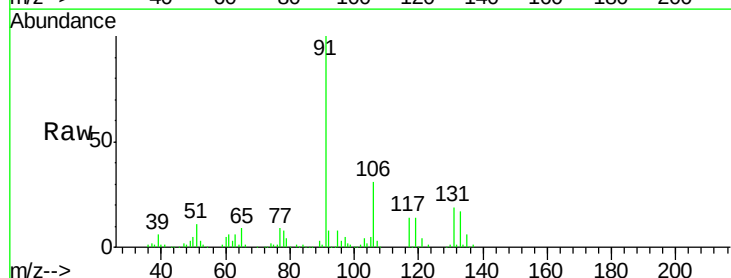
Manual Integrations
APPROVED

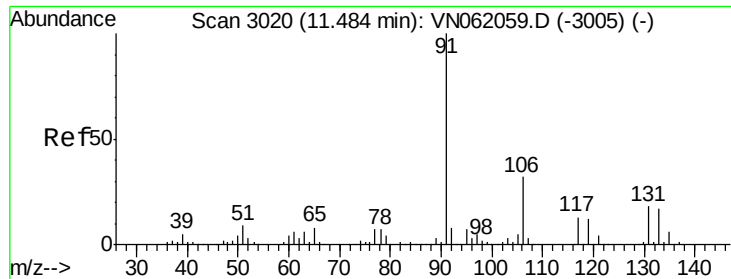
MMDadoda
6/30/2020 10:42:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.399 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.6	142.9
119	70.5	34.4	103.3





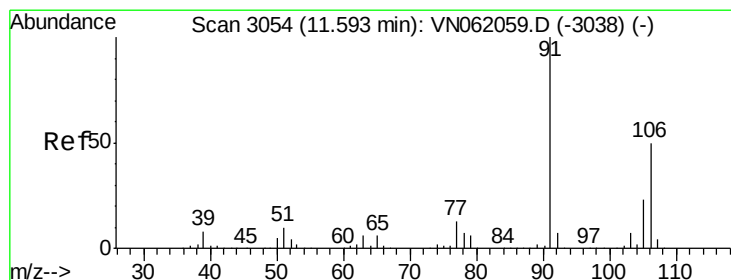
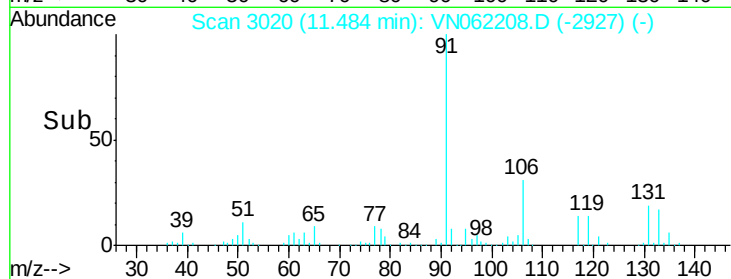
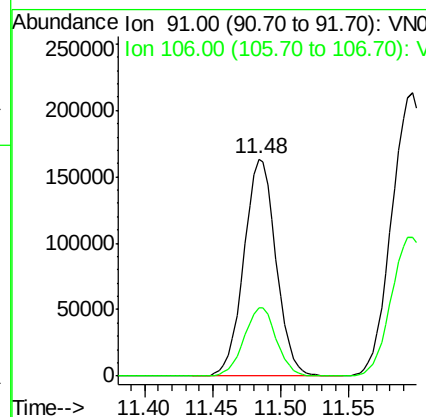
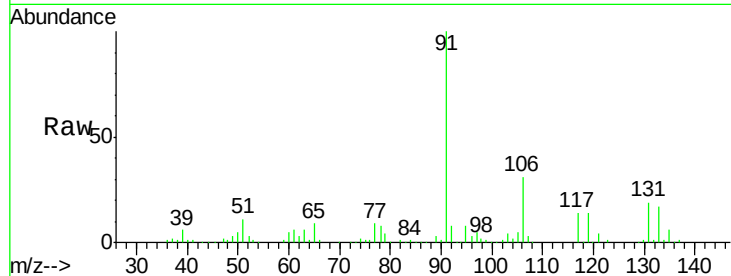
#67
Ethyl Benzene
Concen: 19.260 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion: 91 Resp: 267110
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

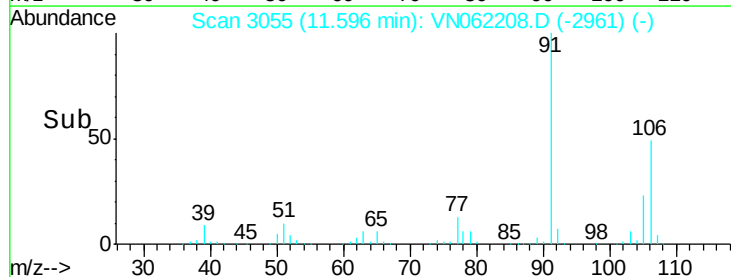
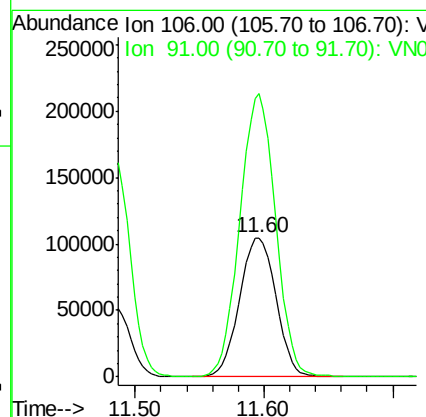
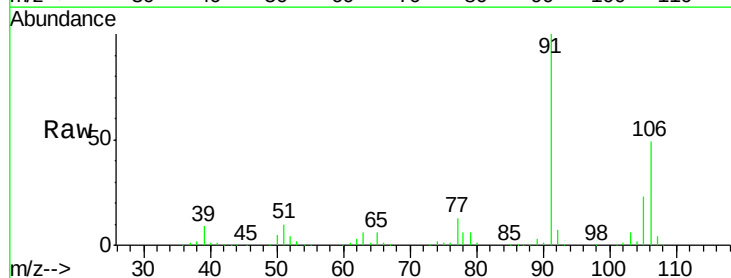
Manual Integrations
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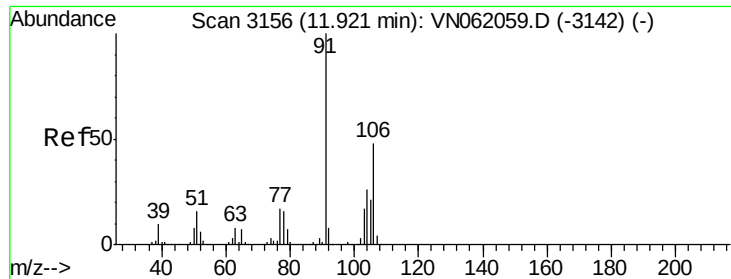
MMDadoda
6/30/2020 10:42:38 AM



#68
m/p-Xylenes
Concen: 38.496 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion: 106 Resp: 206502
Ion Ratio Lower Upper
106 100
91 198.5 157.8 236.8





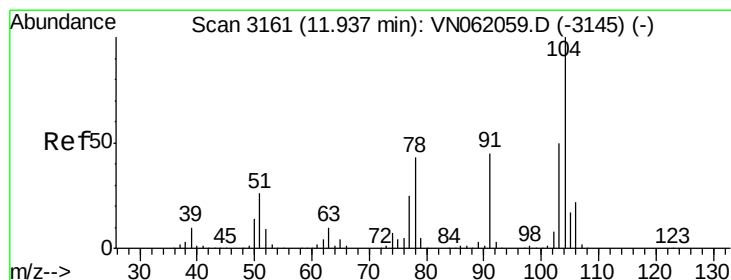
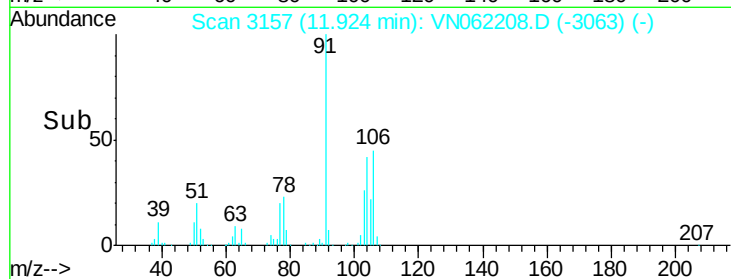
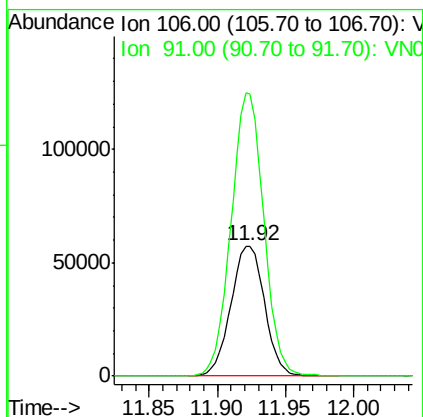
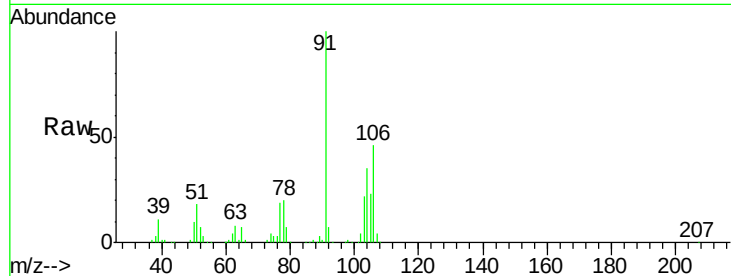
#69
o-Xylene
Concen: 19.499 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		98689		
91	209.8	104.0	311.9		

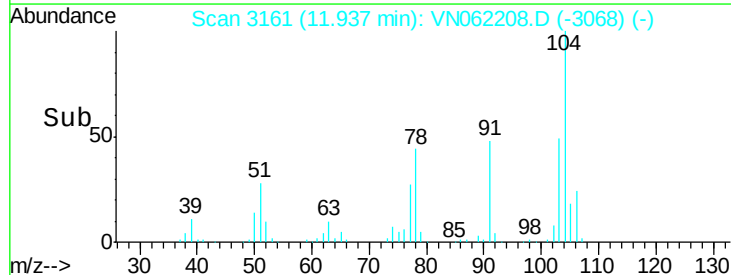
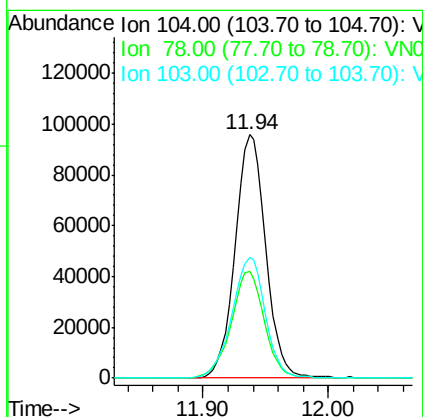
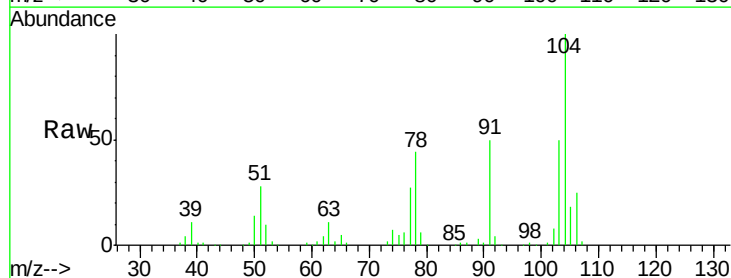
Manual Integrations
APPROVED

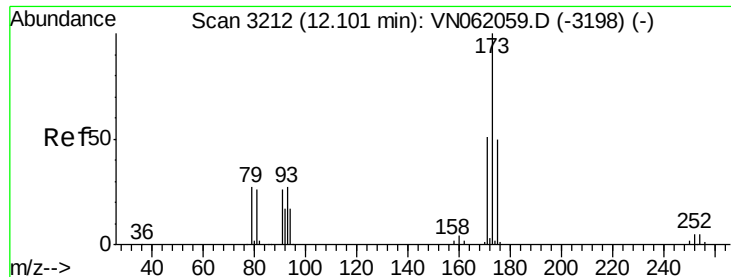
MMDadoda
6/30/2020 10:42:38 AM



#70
Styrene
Concen: 19.282 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		162752		
78	47.6	37.7	56.5		
103	54.2	43.0	64.6		





#71

Bromoform

Concen: 18.608 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion:173 Resp: 37569

Ion Ratio Lower Upper

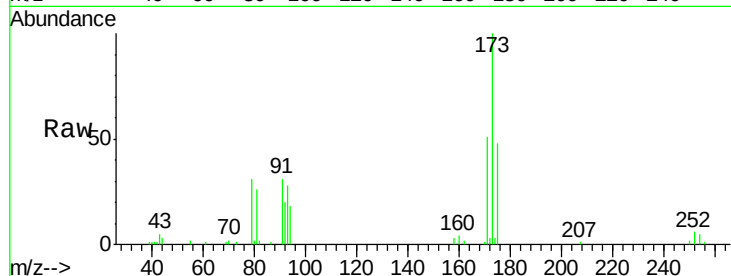
173 100

175 48.1 24.7 74.1

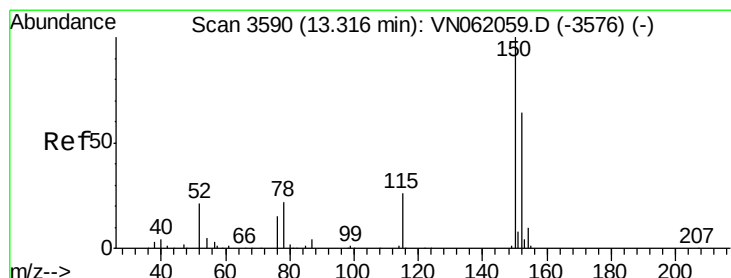
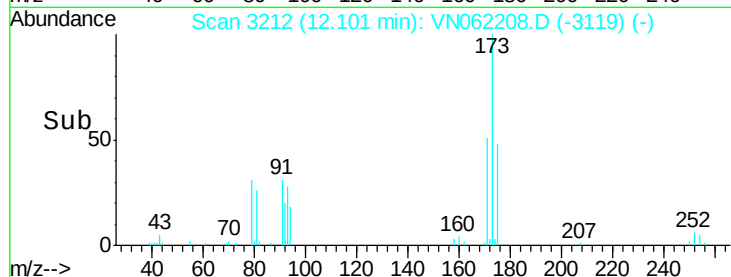
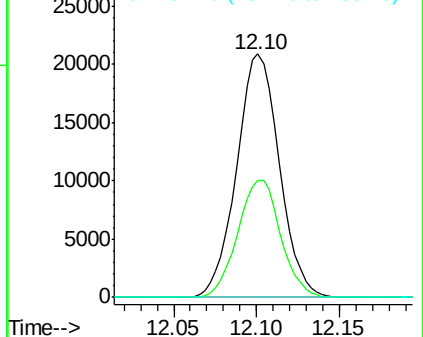
254 0.0 0.0 0.0

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# 3591

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

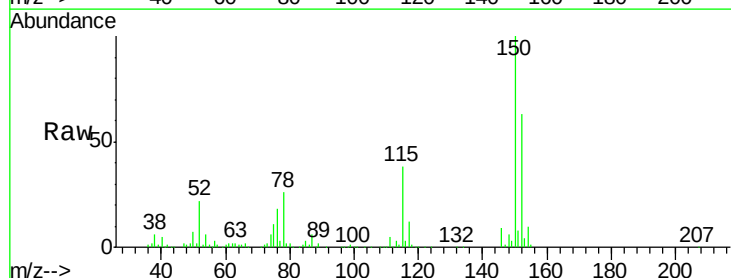
Tgt Ion:152 Resp: 165278

Ion Ratio Lower Upper

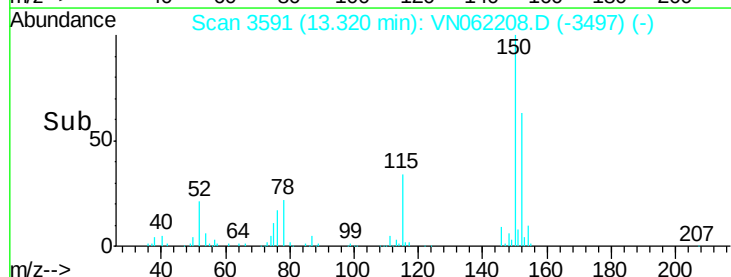
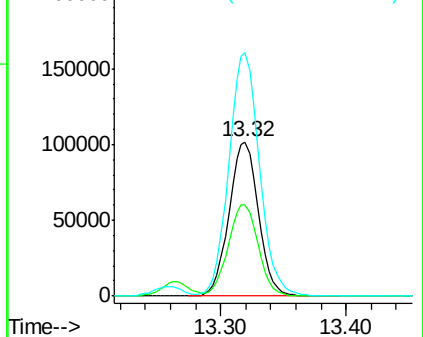
152 100

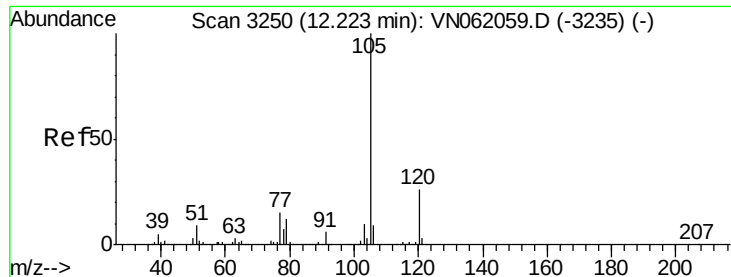
115 60.8 29.5 88.5

150 164.1 0.0 351.4



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





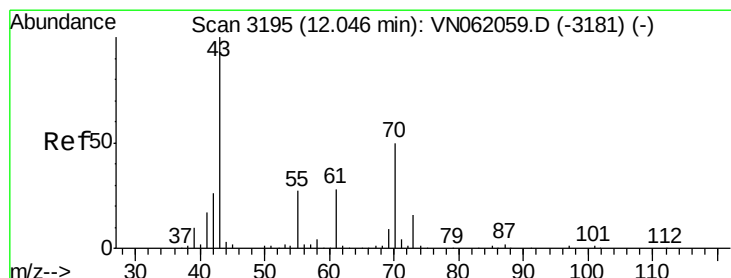
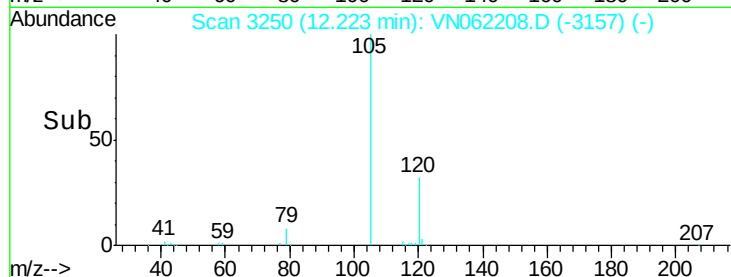
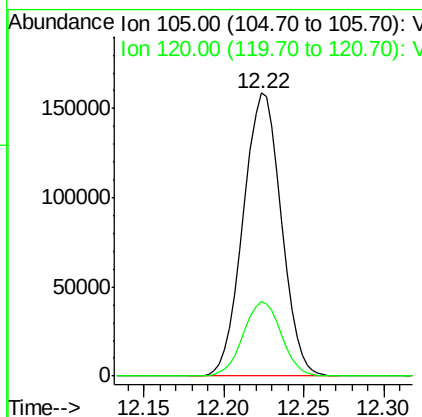
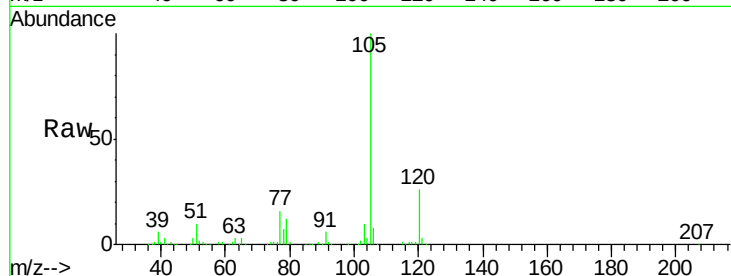
#73
Isopropylbenzene
Concen: 20.211 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

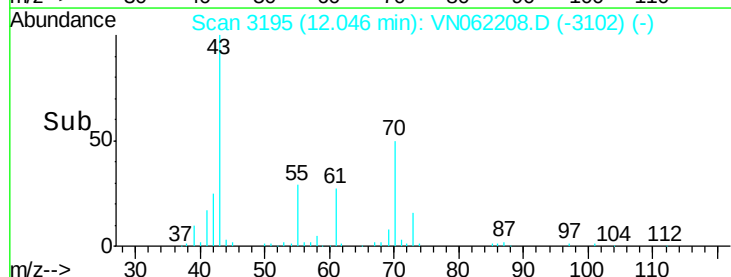
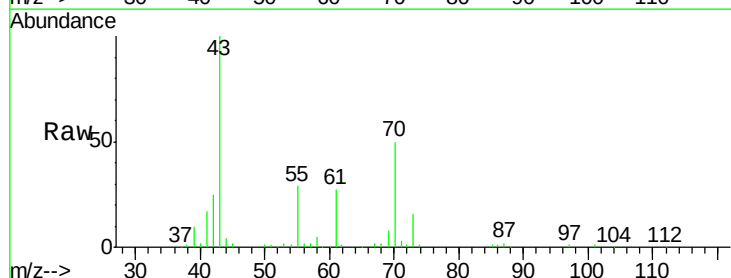
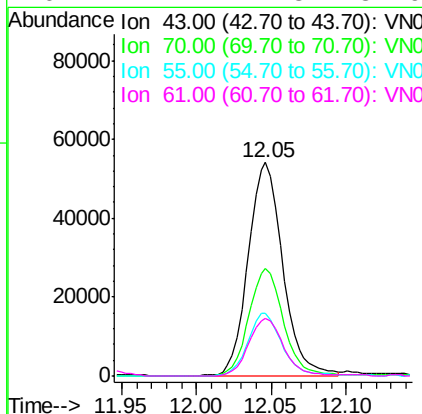
Manual Integrations
APPROVED

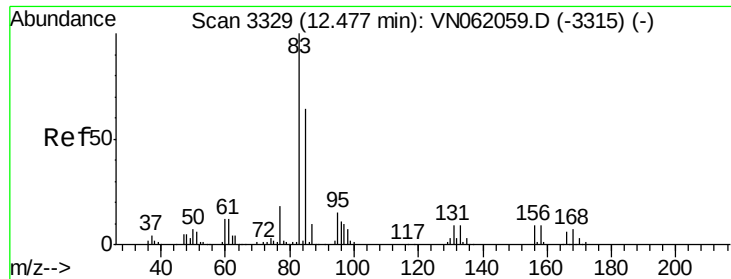
MMDadoda
6/30/2020 10:42:38 AM



#74
N-ethyl acetate
Concen: 20.681 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.3	39.4	59.2
55	29.3	21.7	32.5
61	27.1	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.059 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

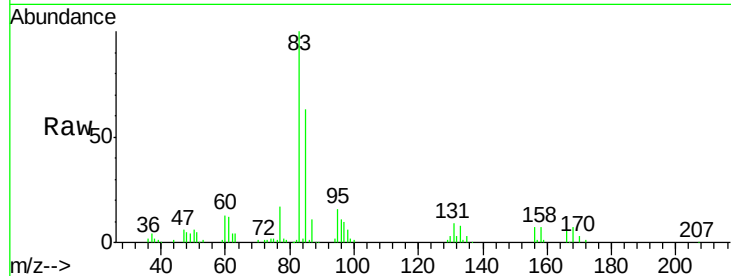
ClientSampleId :

VN0629WBSD02

Tot Ion:	83	Resp:	89659
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.4
85	64.0	32.4	97.0

Manual Integrations
APPROVED

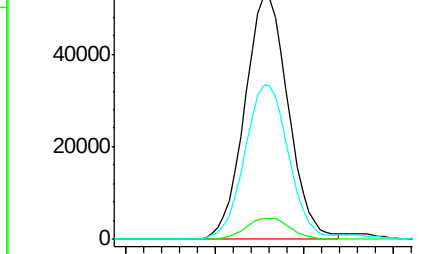
MMDadoda
6/30/2020 10:42:38 AM



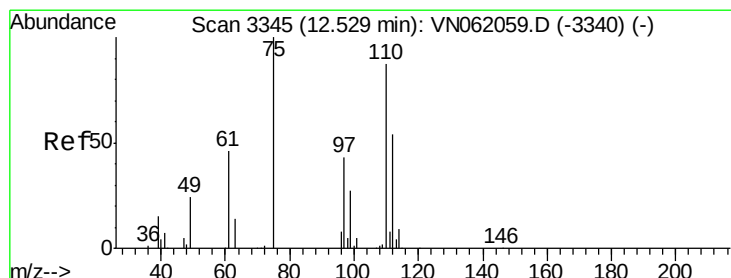
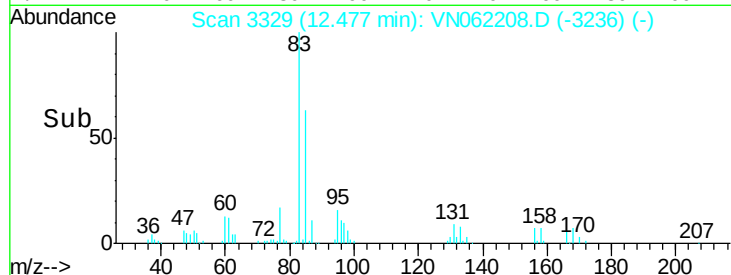
Abundance Ion 82.90 (82.60 to 83.60): VN062208.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062208.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062208.D (-3236) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.381 ug/l m

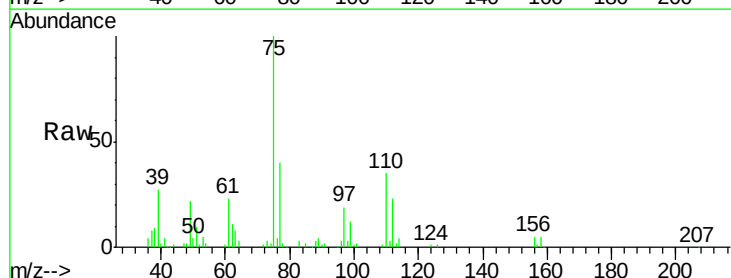
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062208.D

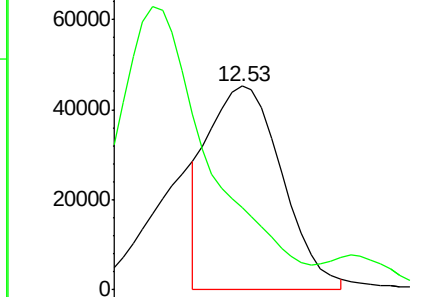
Acq: 30 Jun 2020 00:33

Tgt Ion:	75	Resp:	75409
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

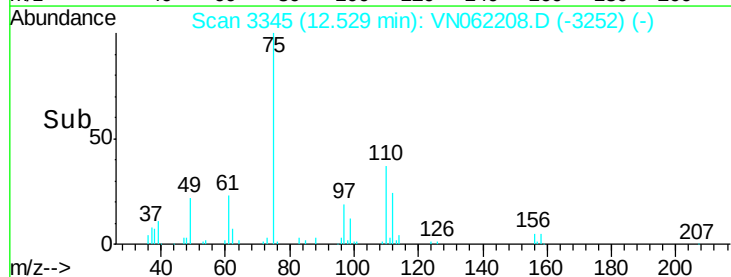


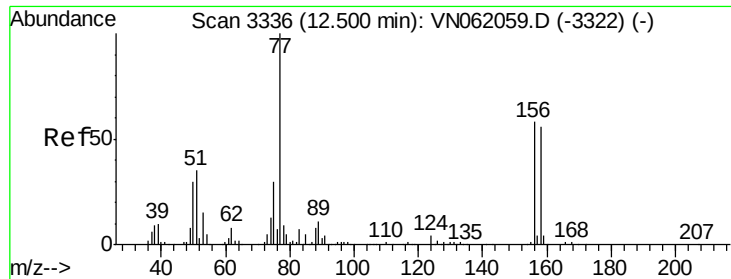
Abundance Ion 74.90 (74.60 to 75.60): VN062208.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062208.D (-3252) (-)



Time-->





#77

Bromobenzene

Concen: 19.062 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

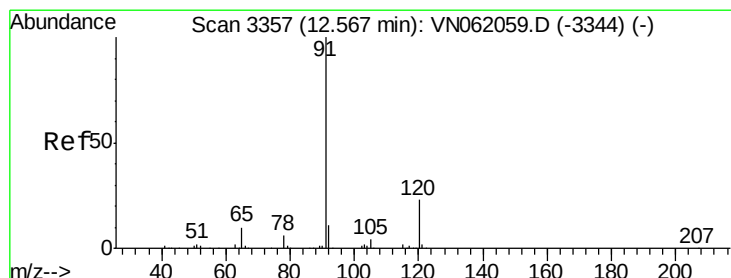
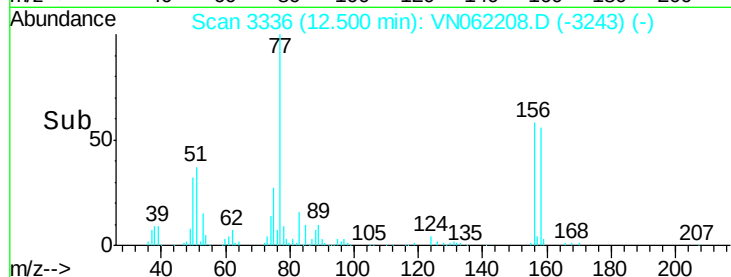
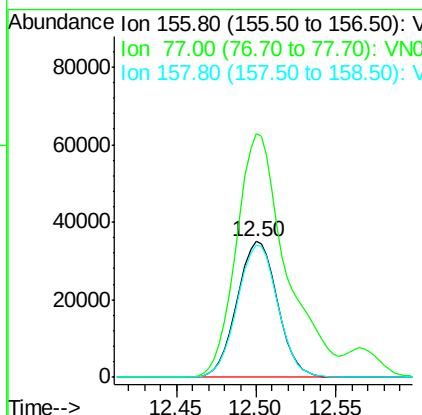
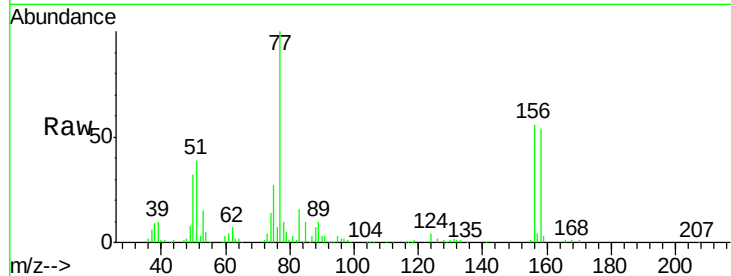
ClientSampleId :

VN0629WBSD02

Tot Ion:	156	Resp:	60546
Ion	Ratio	Lower	Upper
156	100		
77	221.1	104.6	313.8
158	97.6	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.212 ug/l

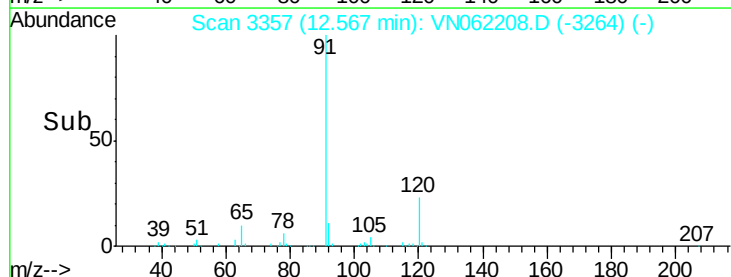
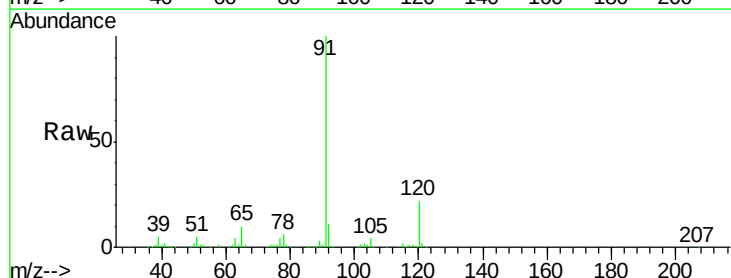
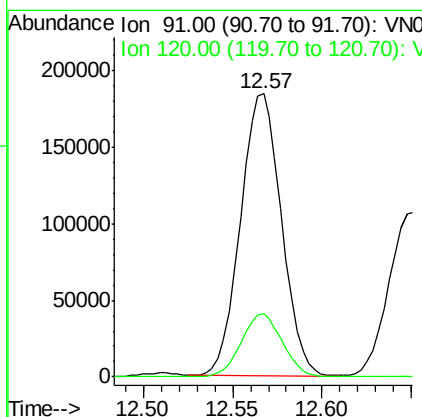
RT: 12.57 min Scan# 3357

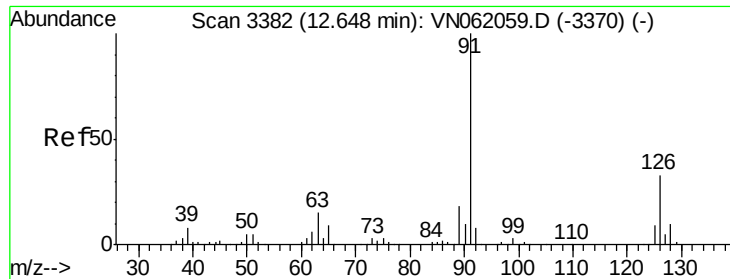
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	91	Resp:	295786
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 19.944 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion: 91 Resp: 176444

Ion Ratio Lower Upper

91 100

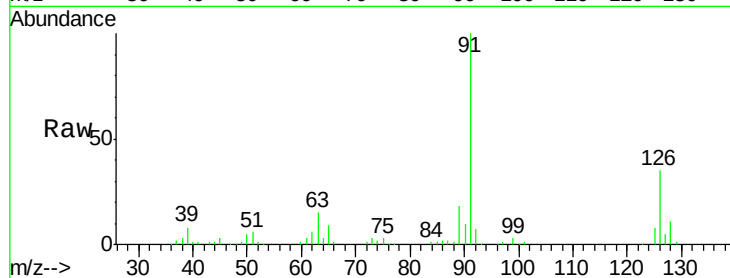
126 34.0 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3370) (-)

12.65

100000

80000

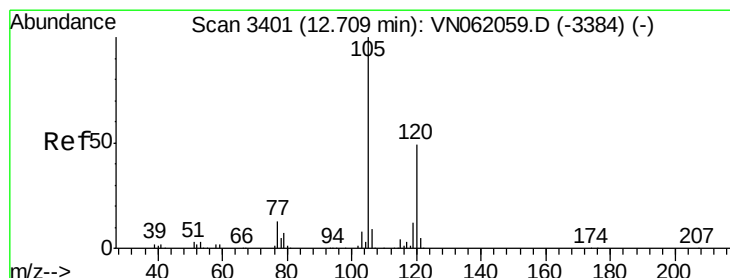
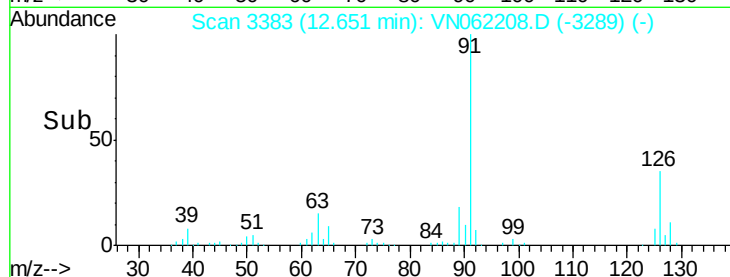
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.426 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062208.D

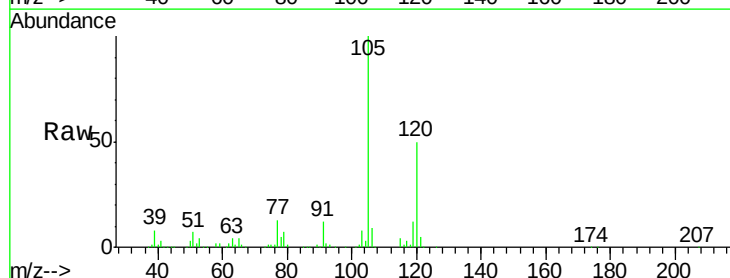
Acq: 30 Jun 2020 00:33

Tgt Ion:105 Resp: 211841

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3384) (-)

12.71

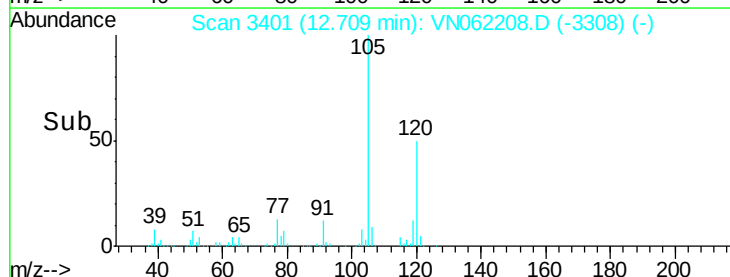
150000

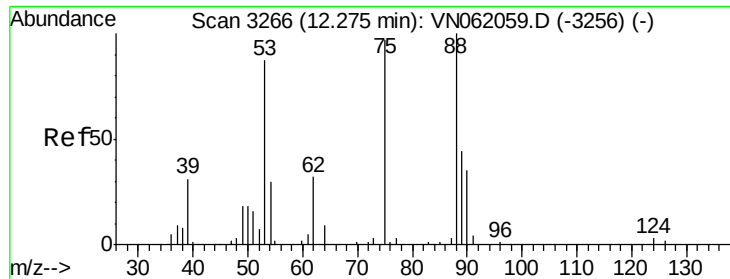
100000

50000

0

Time-->





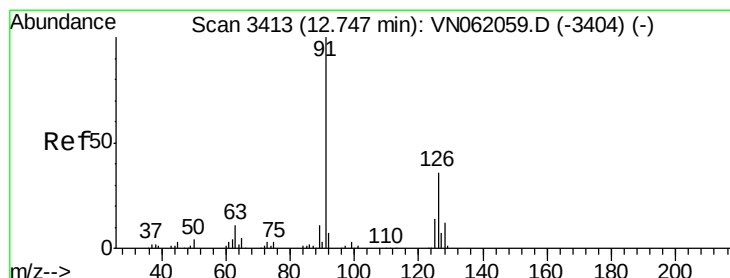
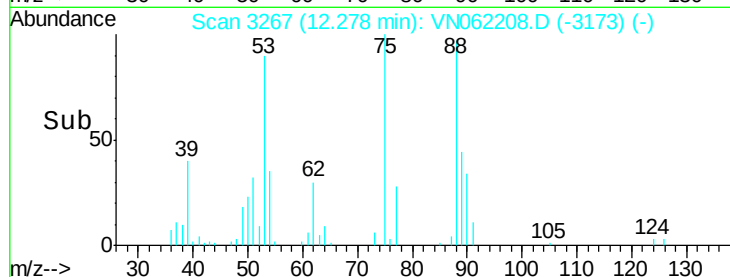
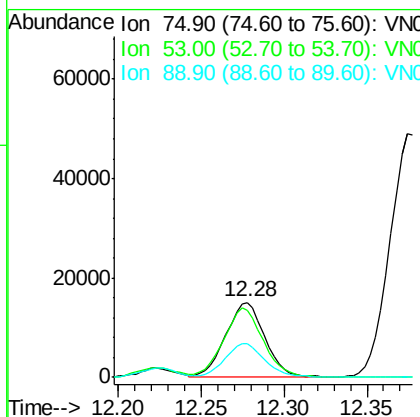
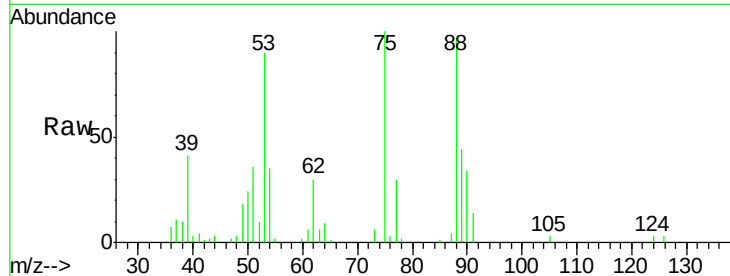
#81
trans-1,4-Dichloro-2-butene
Concen: 18.669 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	72.0	108.0
89	45.3	36.9	55.3

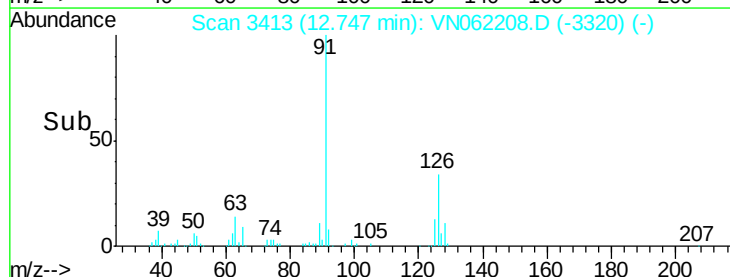
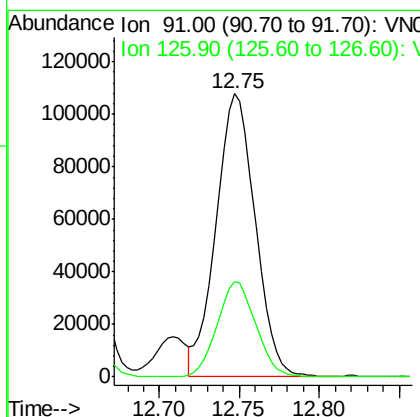
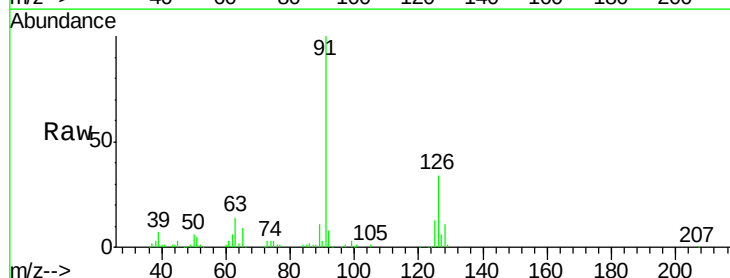
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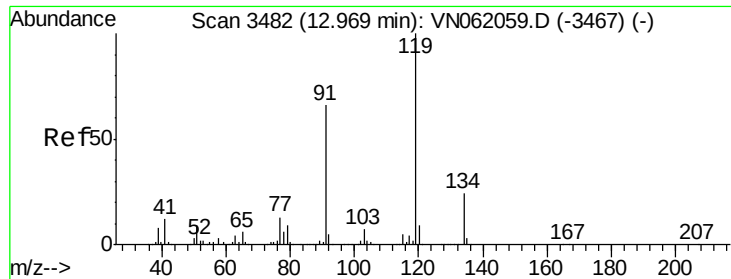
MMDadoda
6/30/2020 10:42:38 AM



#82
4-Chlorotoluene
Concen: 19.691 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062208.D
Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





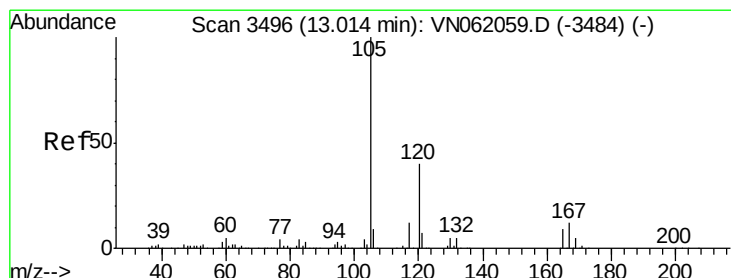
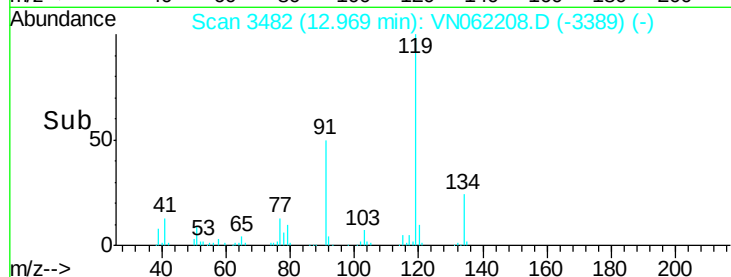
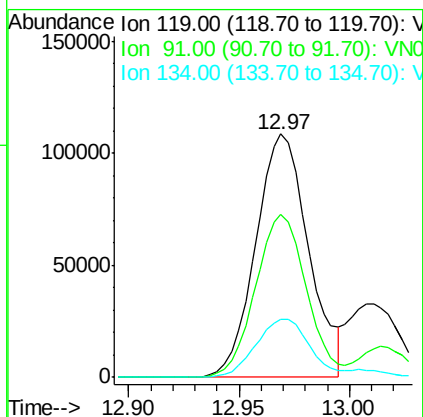
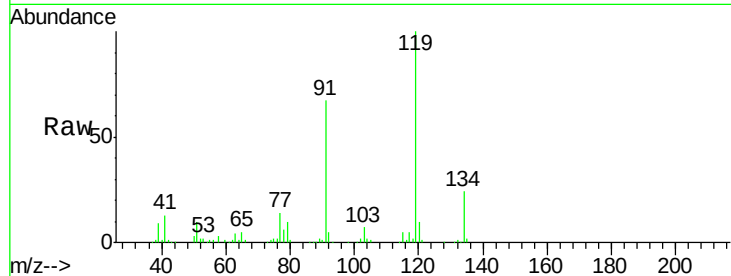
#83
 tert-Butylbenzene
 Concen: 20.360 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	180713		
91	64.6		31.7	95.1
134	24.4		13.1	39.1

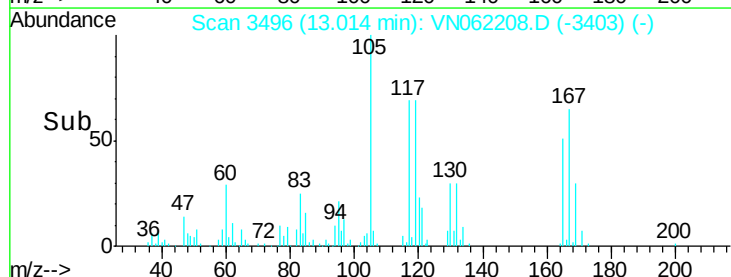
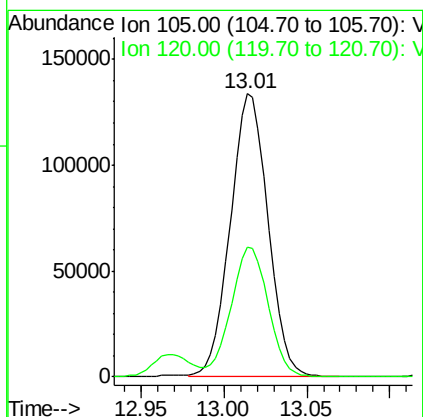
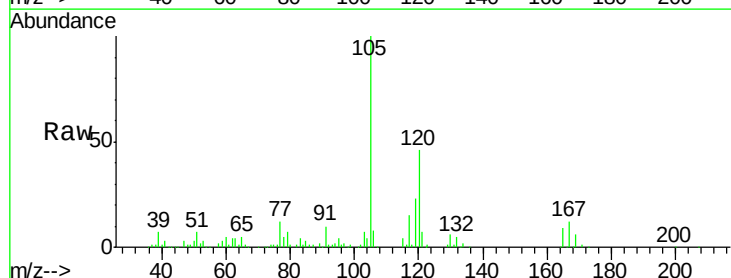
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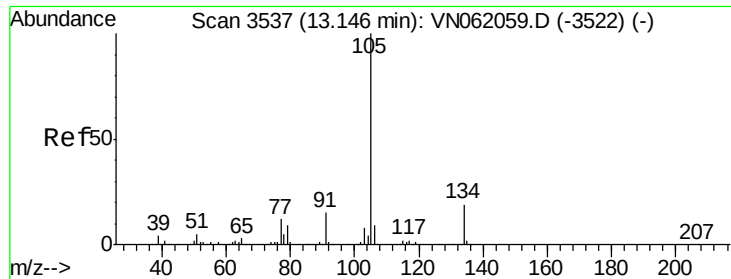
MMDadoda
 6/30/2020 10:42:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.253 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209786		
120	45.6		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.864 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD02

Tot Ion:105 Resp: 244696

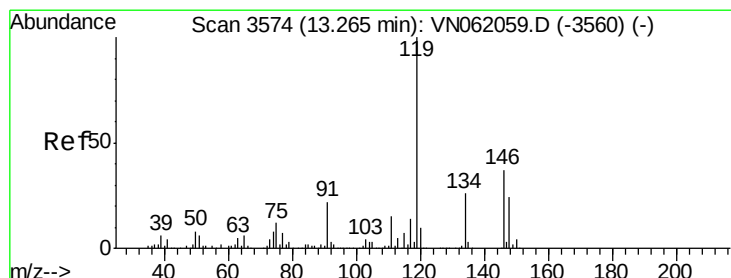
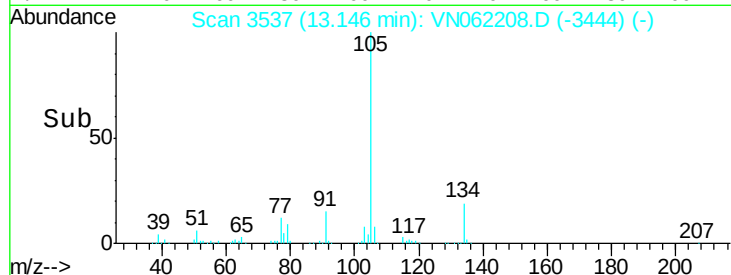
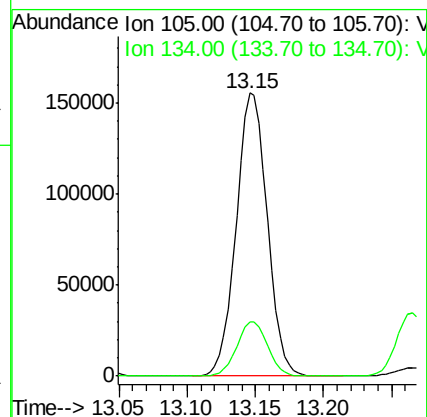
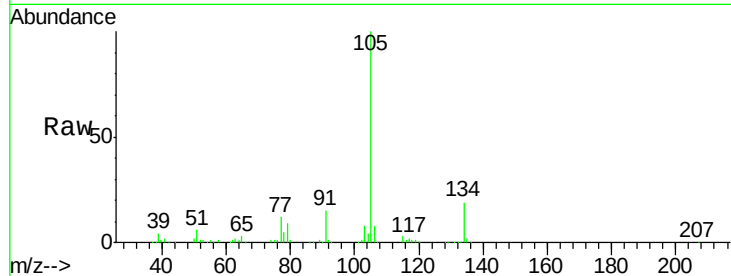
Ion Ratio Lower Upper

105 100

134 19.2 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.271 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

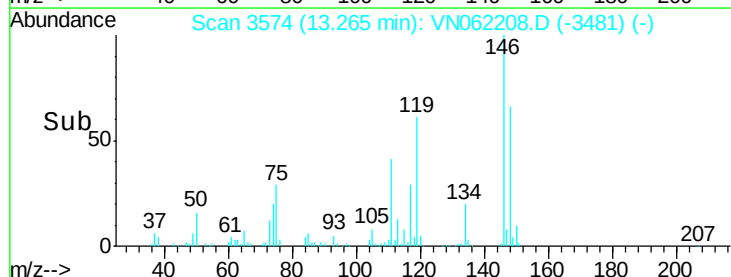
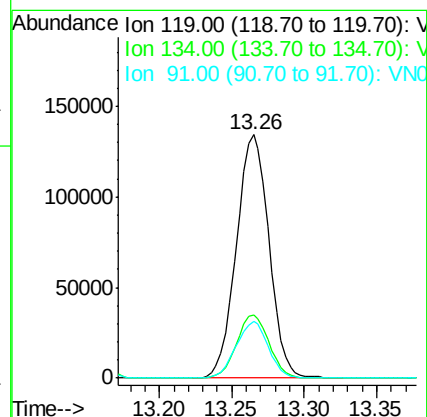
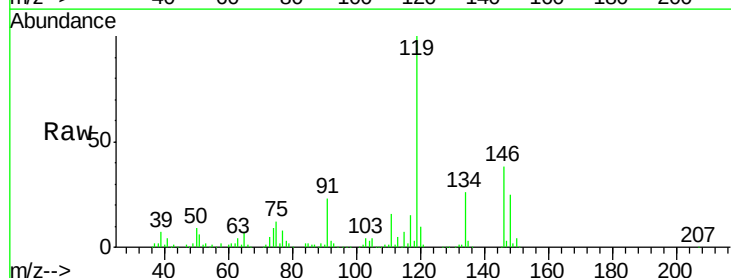
Tgt Ion:119 Resp: 208291

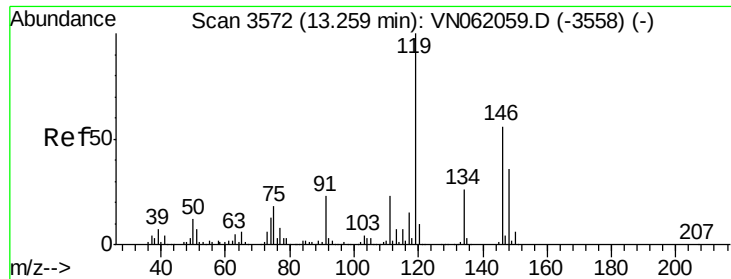
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 23.1 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 18.920 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

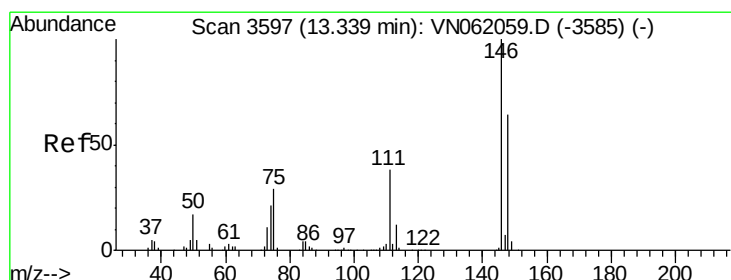
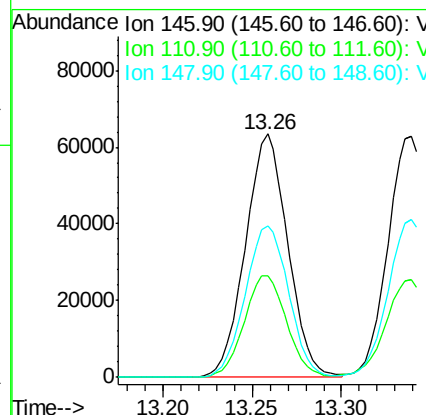
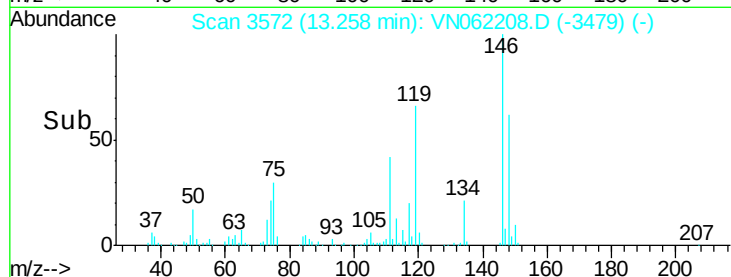
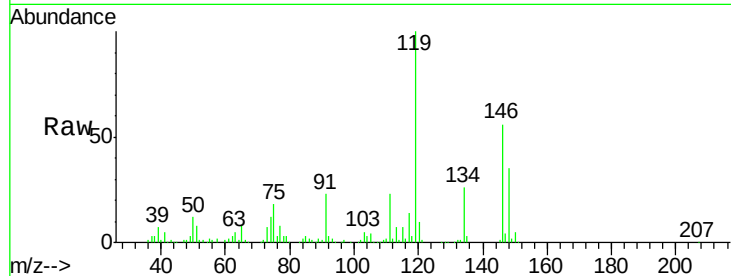
ClientSampleId :

VN0629WBSD02

Tot Ion:	146	Resp:	105529
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	61.0
148	63.7	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.588 ug/l

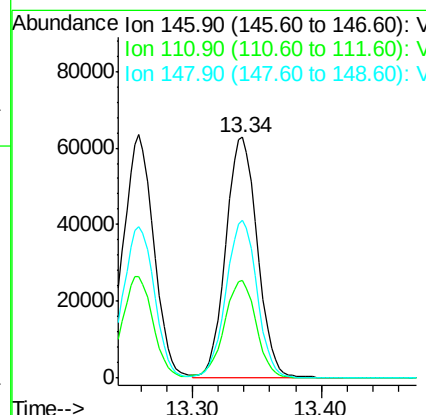
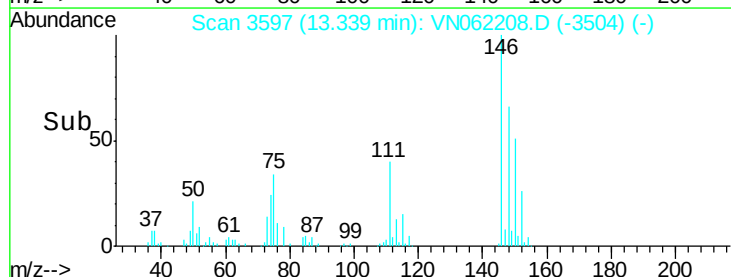
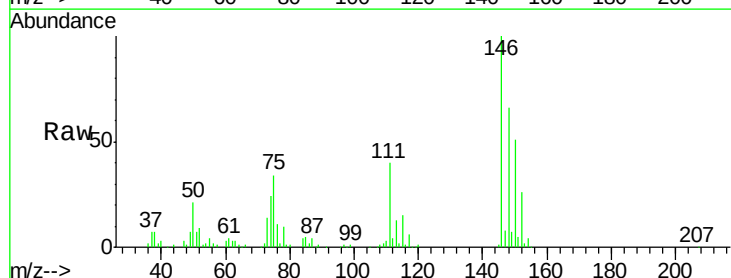
RT: 13.34 min Scan# 3597

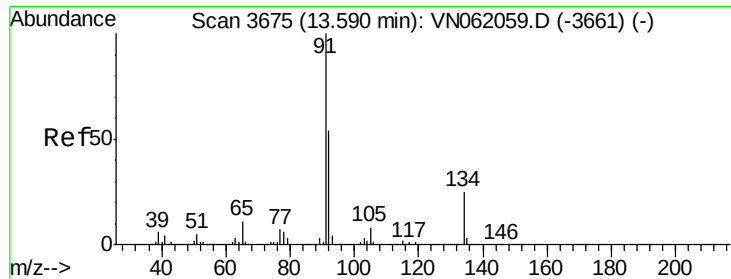
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	146	Resp:	106871
Ion Ratio	Lower	Upper	
146	100		
111	41.2	19.9	59.6
148	64.6	31.9	95.9





#89

n-Butylbenzene

Concen: 19.497 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

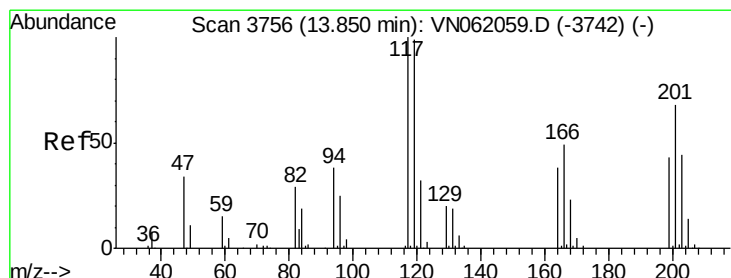
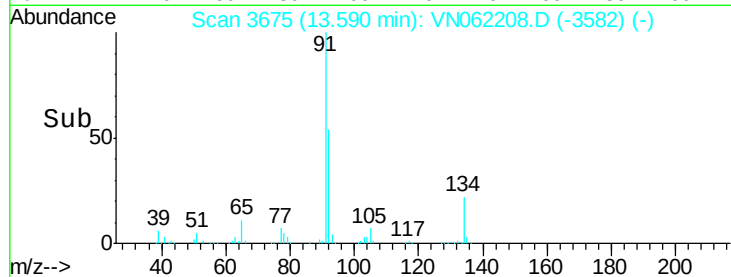
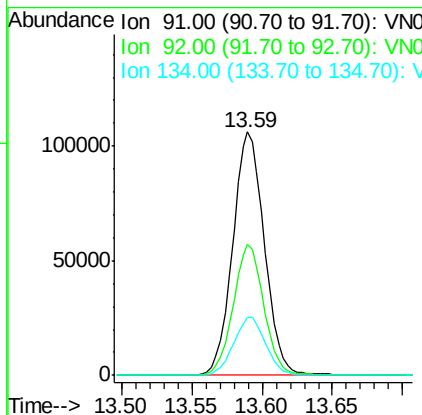
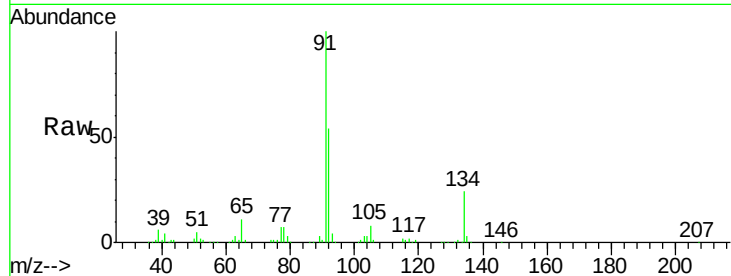
ClientSampleId :

VN0629WBSD02

Tot Ion:	91	Resp:	166562
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	24.3	12.3	36.9

Manual Integrations
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#90

Hexachloroethane

Concen: 20.433 ug/l

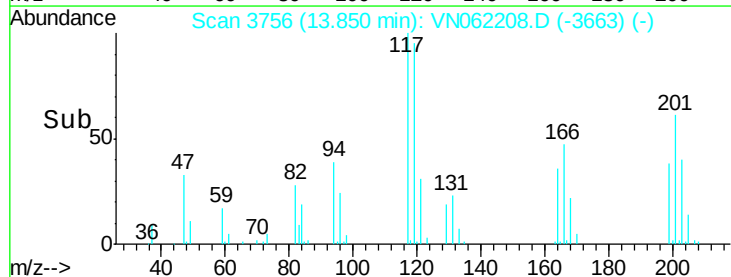
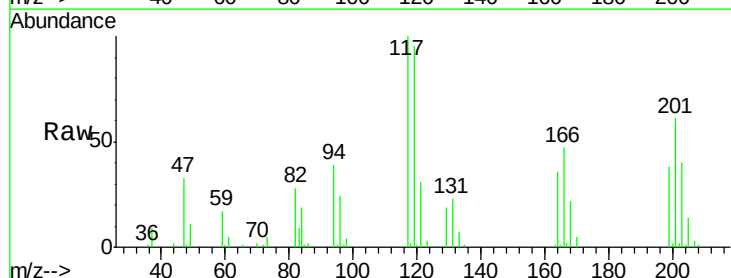
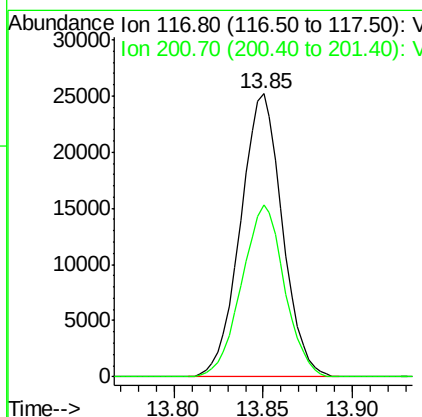
RT: 13.85 min Scan# 3756

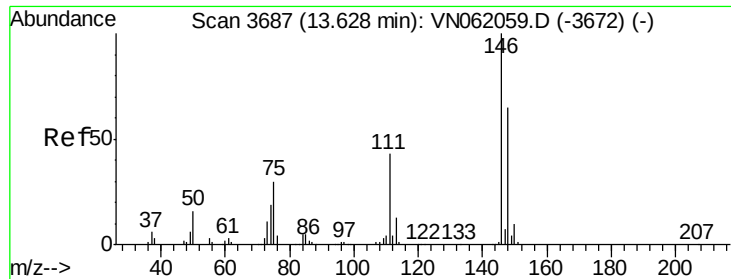
Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:	117	Resp:	41194
Ion	Ratio	Lower	Upper
117	100		
201	62.0	32.7	98.1





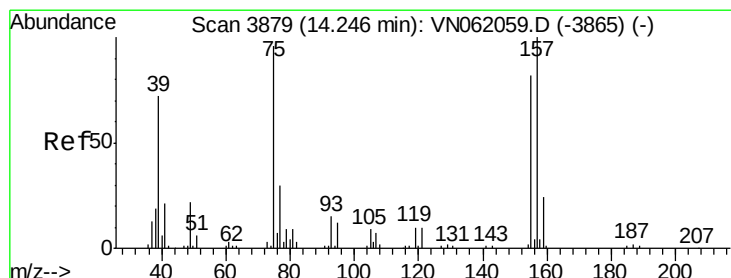
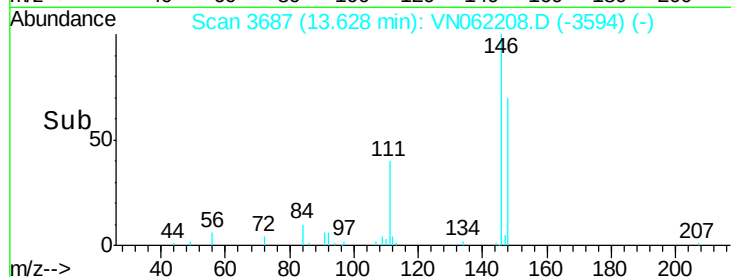
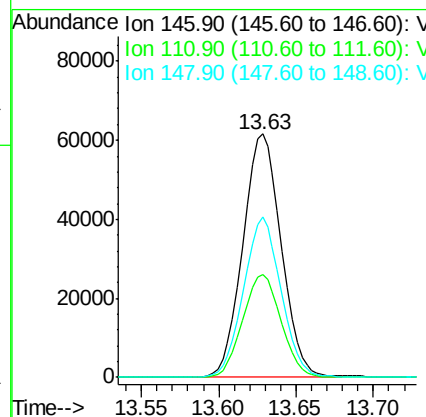
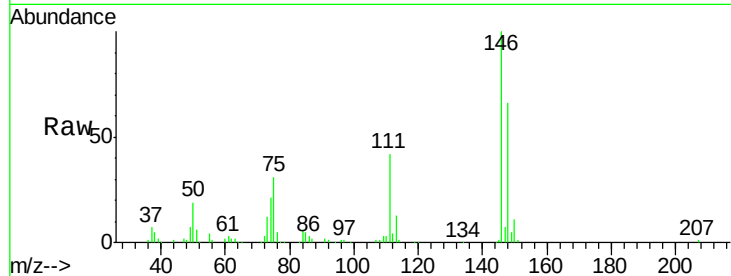
#91
 1,2-Dichlorobenzene
 Concen: 19.638 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.3	31.9	95.5

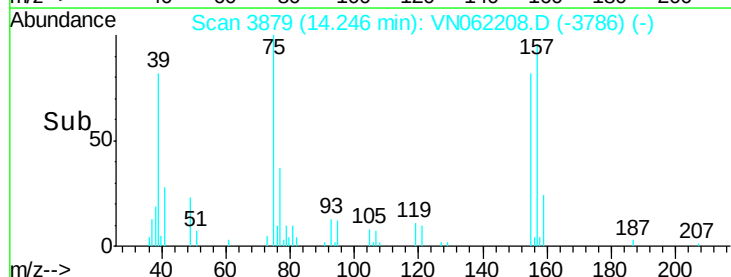
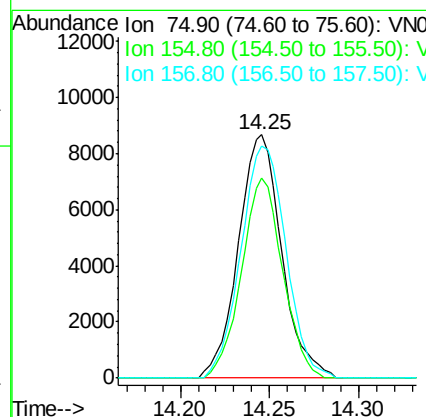
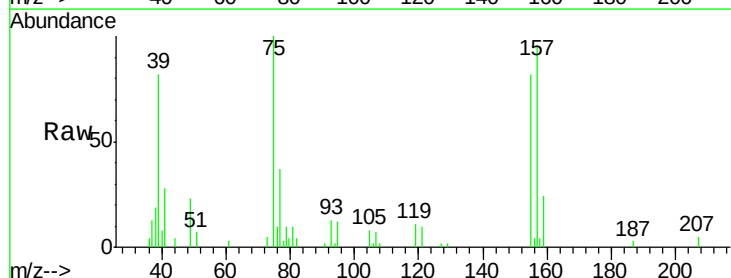
Manual Integrations
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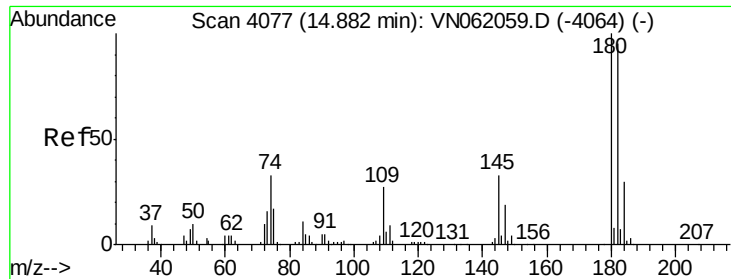
MMDadoda
 6/30/2020 10:42:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.564 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.8	122.4
157	99.5	51.4	154.3





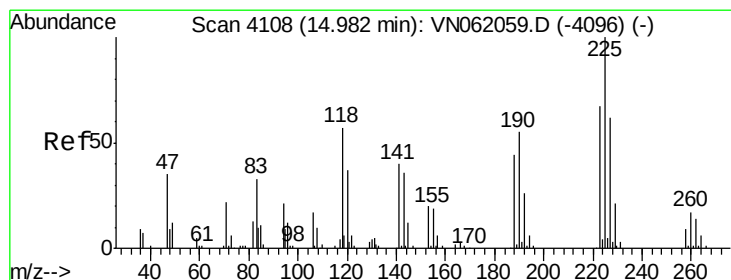
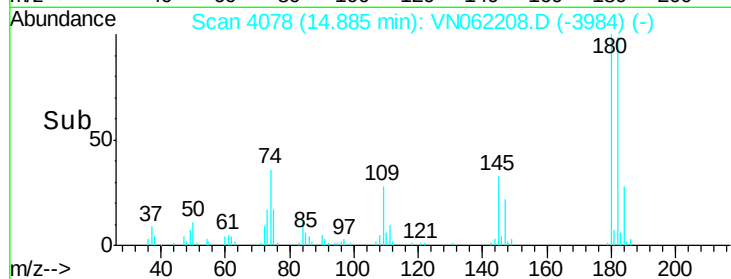
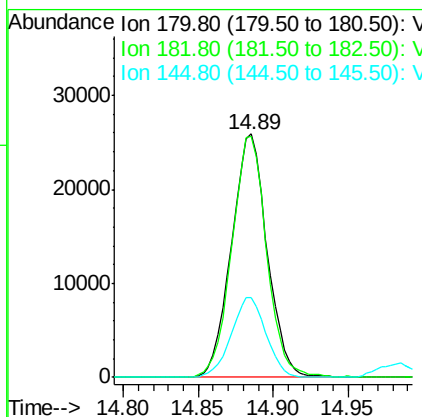
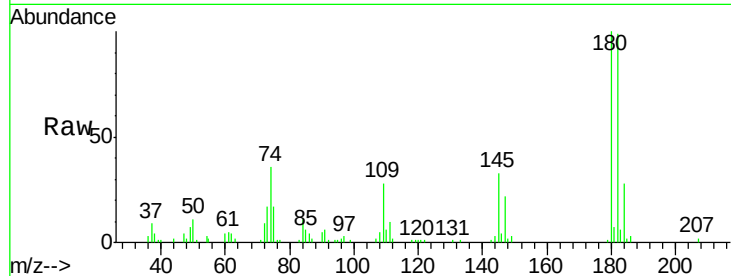
#93
 1,2,4-Trichlorobenzene
 Concen: 18.194 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.2
145	31.9	16.0	48.0

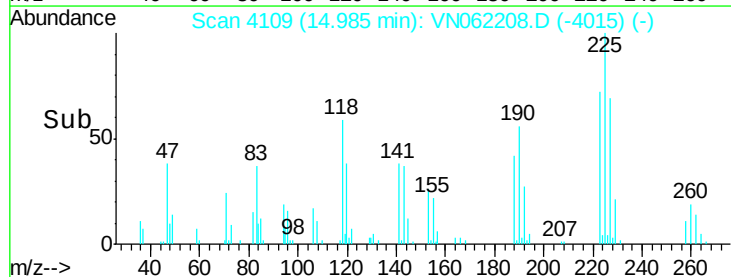
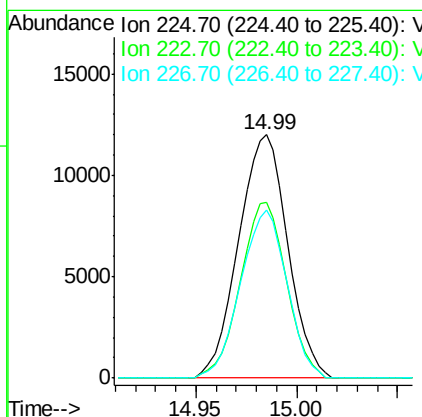
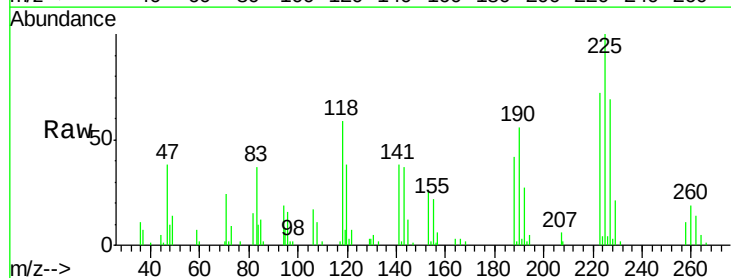
Manual Integrations
 APPROVED

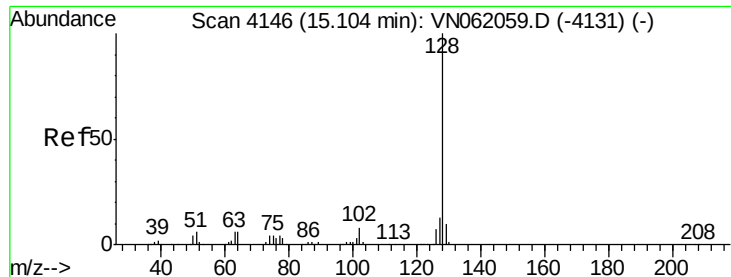
MMDadoda
 6/30/2020 10:42:38 AM



#94
 Hexachlorobutadiene
 Concen: 19.950 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062208.D
 Acq: 30 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.9	98.7
227	65.1	31.3	93.8





#95

Naphthalene

Concen: 19.114 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Instrument :

MSVOA_N

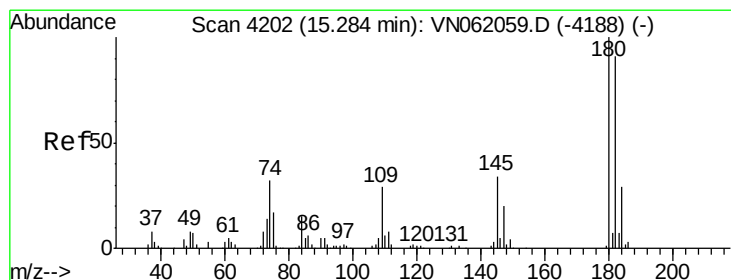
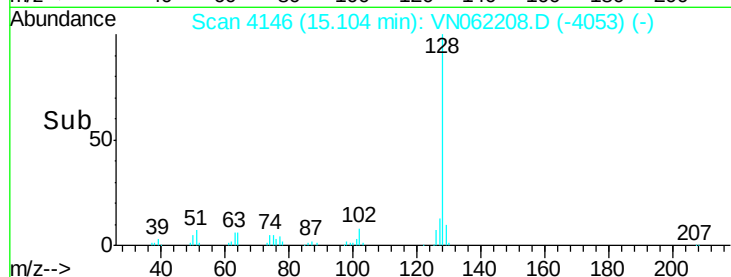
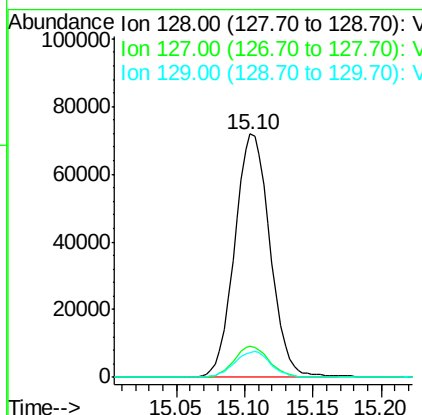
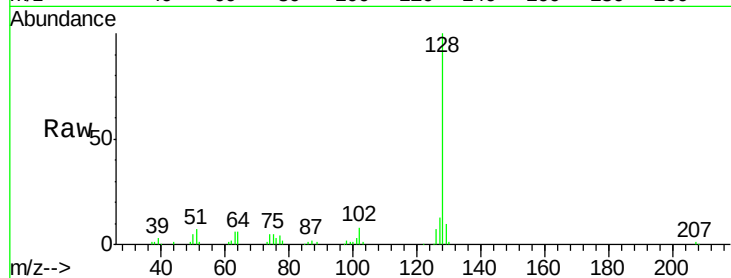
ClientSampleId :

VN0629WBSD02

Tot Ion:128	Resp:	129450
Ion Ratio	Lower	Upper
128 100		
127 12.6	10.5	15.7
129 10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/30/2020 10:42:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.840 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062208.D

Acq: 30 Jun 2020 00:33

Tgt Ion:180	Resp:	45517
Ion Ratio	Lower	Upper
180 100		
182 94.3	46.8	140.4
145 34.0	16.4	49.2

