

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062241.D
 Acq On : 30 Jun 2020 15:50
 Operator : JC/MD
 Sample : VN0630WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:33 AM

Quant Time: Jul 01 04:31:47 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	219207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162043	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	160568	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
35) Dibromofluoromethane	7.55	113	123792	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
50) Toluene-d8	10.06	98	494856	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.38	95	162053	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43777	17.668	ug/l	98
3) Chloromethane	2.03	50	58329	19.171	ug/l	98
4) Vinyl Chloride	2.16	62	68355	17.518	ug/l	94
5) Bromomethane	2.53	94	47616	18.882	ug/l	96
6) Chloroethane	2.67	64	47633	17.870	ug/l	99
7) Trichlorofluoromethane	2.98	101	83832	17.436	ug/l	99
8) Diethyl Ether	3.37	74	33751	20.103	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48672	19.331	ug/l	97
10) Methyl Iodide	3.91	142	55120	19.439	ug/l	99
11) Tert butyl alcohol	4.74	59	48051	108.793	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48308	19.192	ug/l	97
13) Acrolein	3.57	56	46636	107.847	ug/l	100
14) Allyl chloride	4.28	41	71422	20.842	ug/l	98
15) Acrylonitrile	4.93	53	131900	109.589	ug/l	98
16) Acetone	3.78	43	106386	107.876	ug/l	97
17) Carbon Disulfide	4.01	76	131935	18.332	ug/l	100
18) Methyl Acetate	4.28	43	54272	22.194	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	164095	20.402	ug/l	99
20) Methylene Chloride	4.50	84	59718	21.021	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52899	18.448	ug/l	97
22) Diisopropyl ether	5.90	45	163575	20.964	ug/l	94
23) Vinyl Acetate	5.84	43	665301	104.435	ug/l	98
24) 1,1-Dichloroethane	5.80	63	101206	20.142	ug/l	99
25) 2-Butanone	6.79	43	160065	106.454	ug/l	98
26) 2,2-Dichloropropane	6.77	77	81643	19.499	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	61101	18.937	ug/l	98
28) Bromochloromethane	7.15	49	45785	21.002	ug/l	93
29) Tetrahydrofuran	7.17	42	108889	110.554	ug/l	97
30) Chloroform	7.33	83	101495	19.854	ug/l	96
31) Cyclohexane	7.61	56	84936	19.985	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	83776	19.433	ug/l	97
36) 1,1-Dichloropropene	7.75	75	73590	18.150	ug/l	97
37) Ethyl Acetate	6.88	43	70178	20.903	ug/l #	92
38) Carbon Tetrachloride	7.73	117	66903	17.502	ug/l	98

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Manual Integrations
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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	82003	18.459	ug/l	98
40) Benzene	8.00	78	231743	18.752	ug/l	99
41) Methacrylonitrile	7.13	41	27873	17.908	ug/l	92
42) 1,2-Dichloroethane	8.08	62	80467	19.272	ug/l	97
43) Isopropyl Acetate	8.13	43	109741	20.051	ug/l	98
44) Trichloroethene	8.80	130	55195	17.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	60599	19.876	ug/l	98
46) Dibromomethane	9.17	93	39473	19.096	ug/l	96
47) Bromodichloromethane	9.37	83	79714	19.099	ug/l	99
48) Methyl methacrylate	9.17	41	48636	19.819	ug/l	98
49) 1,4-Dioxane	9.17	88	21905	402.519	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	341003	106.641	ug/l	98
52) Toluene	10.12	92	142248	18.865	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	86658	18.872	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93805	19.188	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	56997	19.230	ug/l	96
56) Ethyl methacrylate	10.40	69	79749	20.161	ug/l	99
57) 1,3-Dichloropropane	10.68	76	98484	19.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	141607	94.770	ug/l	98
59) 2-Hexanone	10.72	43	241681	104.667	ug/l	98
60) Dibromochloromethane	10.87	129	57739	18.400	ug/l	97
61) 1,2-Dibromoethane	10.98	107	56098	18.419	ug/l	99
64) Tetrachloroethene	10.60	164	43613	17.282	ug/l	97
65) Chlorobenzene	11.40	112	145600	17.946	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	52346	18.659	ug/l	99
67) Ethyl Benzene	11.48	91	257099	18.764	ug/l	99
68) m/p-Xylenes	11.60	106	198086	37.377	ug/l	100
69) o-Xylene	11.92	106	93268	18.652	ug/l	94
70) Styrene	11.94	104	152909	18.336	ug/l	98
71) Bromoform	12.10	173	36227	18.162	ug/l #	97
73) Isopropylbenzene	12.22	105	247766	19.753	ug/l	99
74) N-amyl acetate	12.04	43	88611	21.251	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	85748	20.543	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	75759m	19.860	ug/l	
77) Bromobenzene	12.50	156	57599	18.496	ug/l	93
78) n-propylbenzene	12.56	91	288606	20.115	ug/l	99
79) 2-Chlorotoluene	12.65	91	173408	19.992	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	202632	19.928	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25309	19.376	ug/l	93
82) 4-Chlorotoluene	12.75	91	178224	19.870	ug/l	99
83) tert-Butylbenzene	12.97	119	168385	19.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	201177	19.809	ug/l	99
85) sec-Butylbenzene	13.15	105	233712	20.325	ug/l	100
86) p-Isopropyltoluene	13.26	119	200850	19.937	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101654	18.589	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	99601	17.670	ug/l	98
89) n-Butylbenzene	13.59	91	160082	19.113	ug/l	99
90) Hexachloroethane	13.85	117	39159	19.812	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	99611	18.785	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14713	22.003	ug/l	91

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0630WBSD01

Manual Integrations
APPROVED

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)
93) 1,2,4-Trichlorobenzene	14.88	180	39822	17.190	ug/l	97
94) Hexachlorobutadiene	14.98	225	19897	19.776	ug/l	98
95) Naphthalene	15.10	128	115057	17.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	40894	17.265	ug/l	97

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

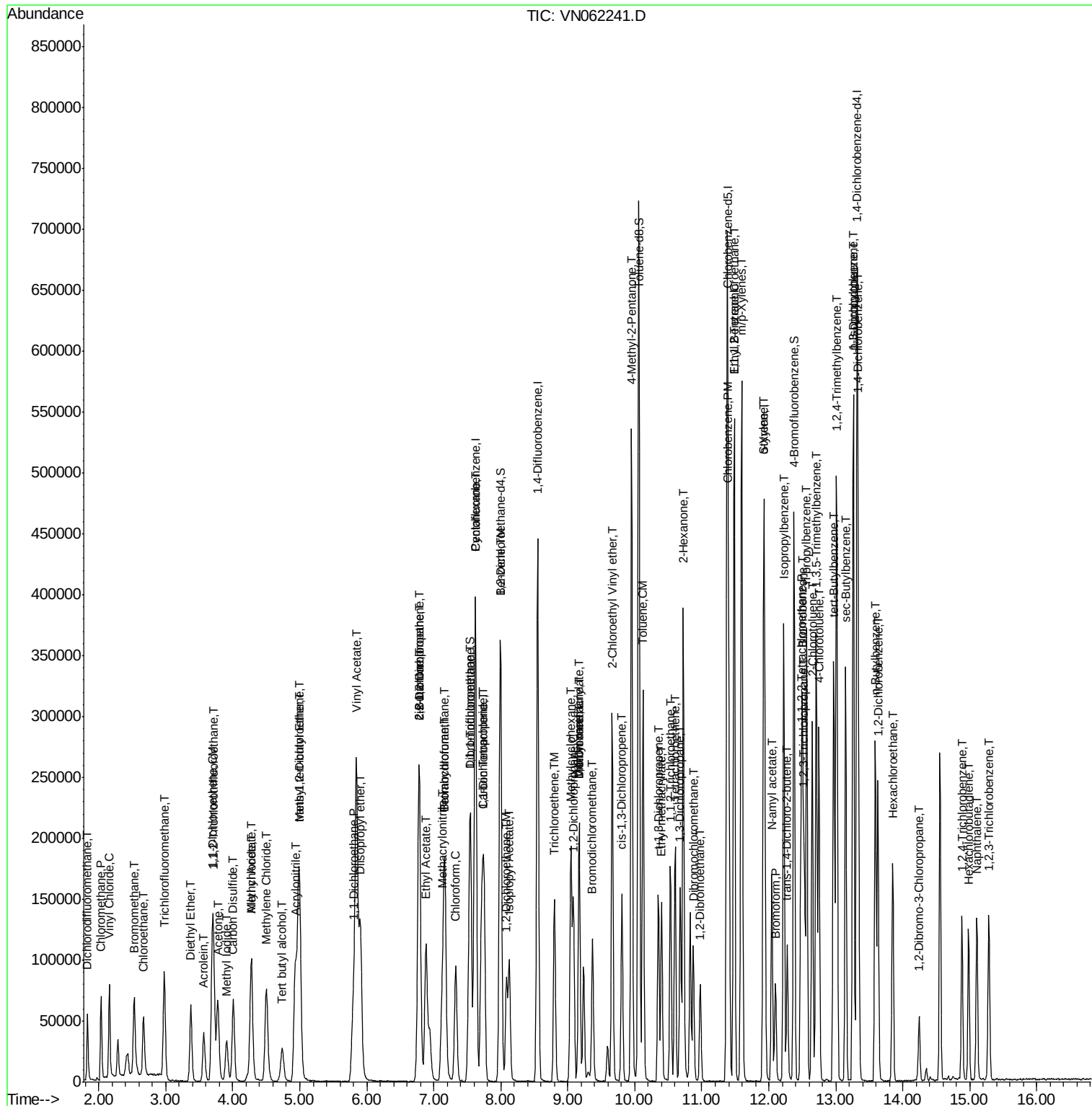
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Data File : VN062241.D
Acq On : 30 Jun 2020 15:50
Operator : JC/MD
Sample : VN0630WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

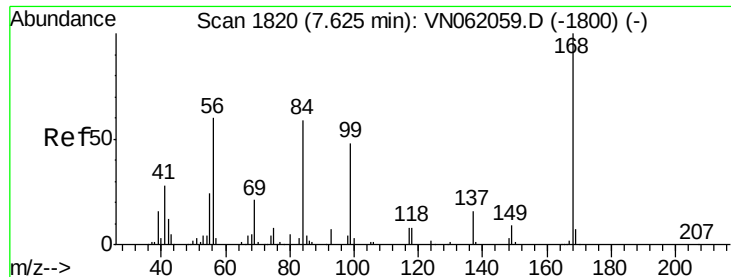
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Manual Integrations
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Quant Time: Jul 01 04:31:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

VN0630WBSD01

Tot Ion:168 Resp: 219207

Ion Ratio Lower Upper

168 100

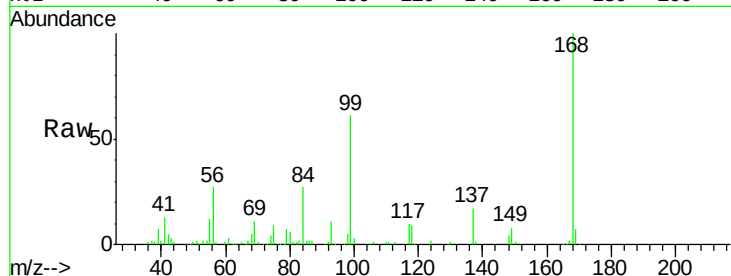
99 60.7 45.8 68.8

Manual Integrations

APPROVED

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7/1/2020 10:16:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

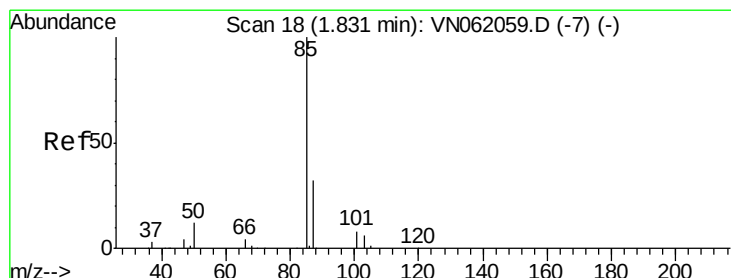
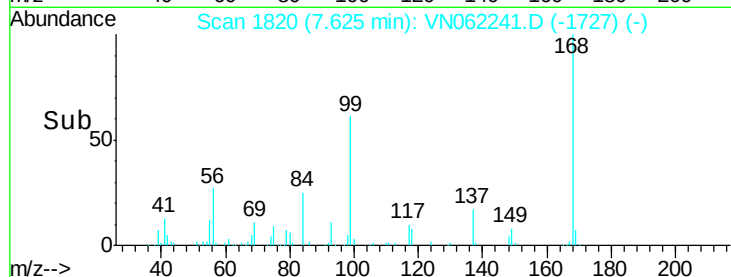
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.668 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062241.D

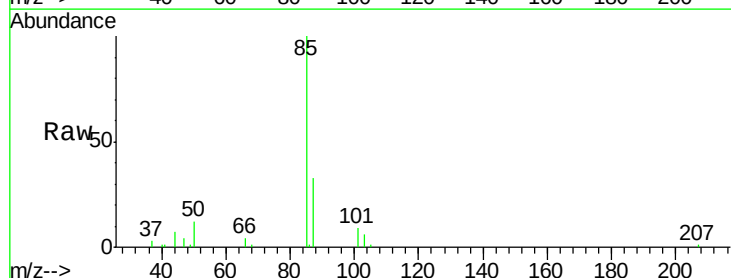
Acq: 30 Jun 2020 15:50

Tgt Ion: 85 Resp: 43777

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

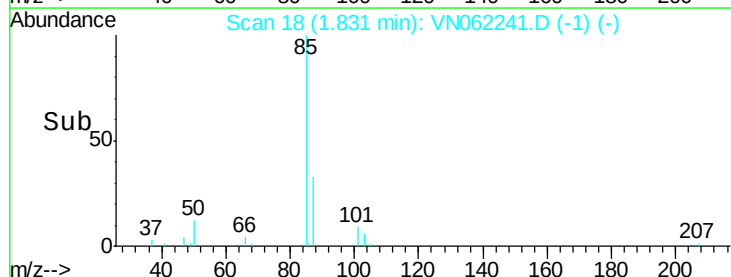
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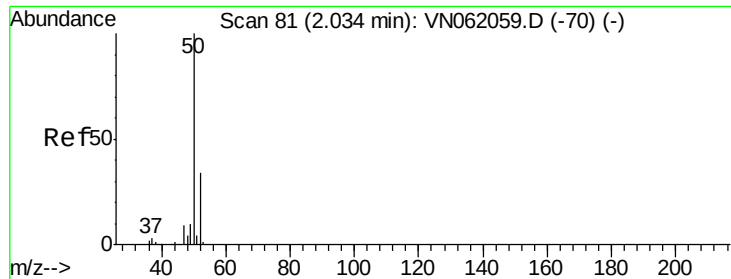
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.171 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

Tot Ion: 50 Resp: 58329

Ion Ratio Lower Upper

50 100

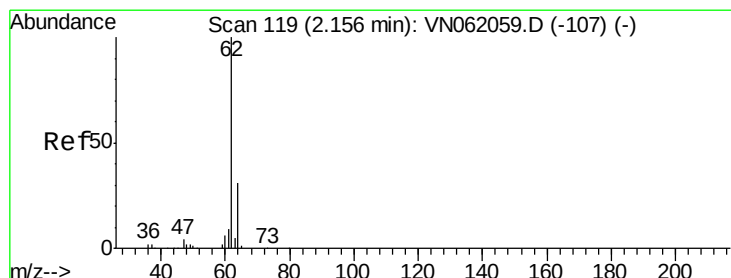
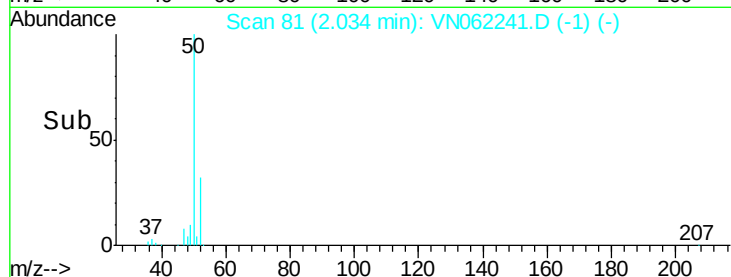
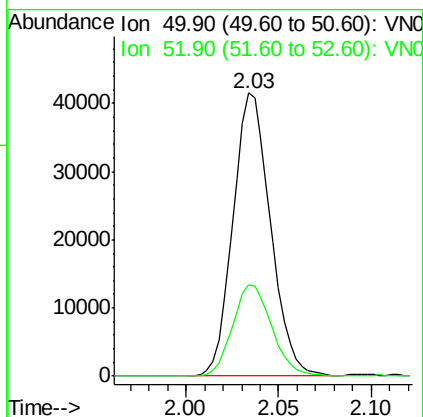
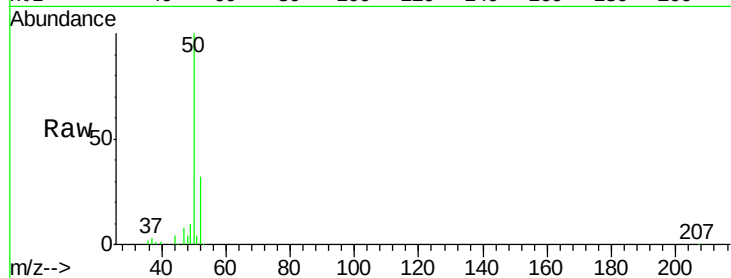
52 32.5 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.518 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062241.D

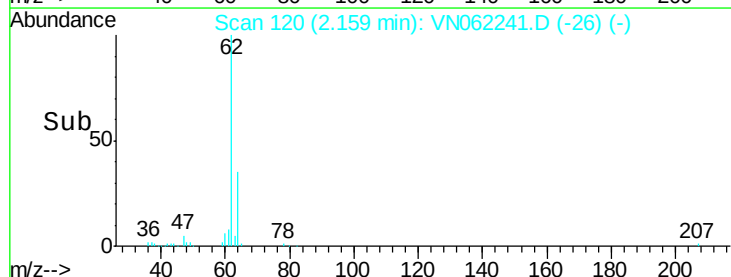
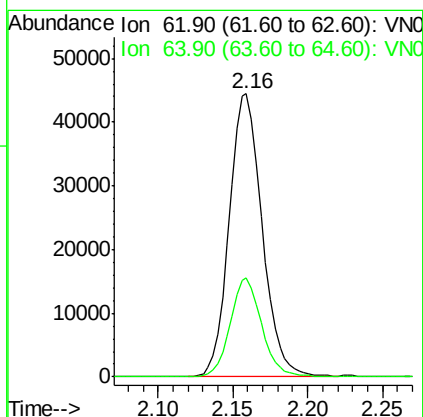
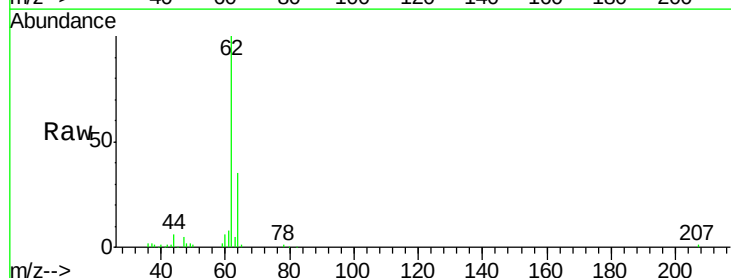
Acq: 30 Jun 2020 15:50

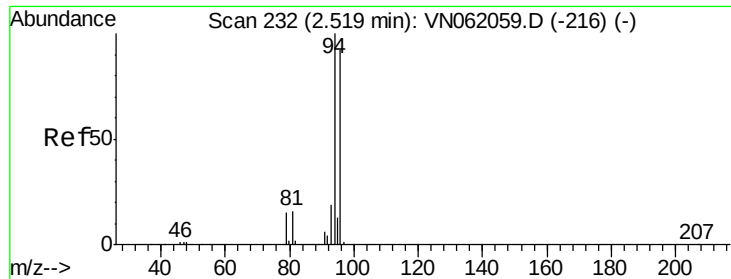
Tgt Ion: 62 Resp: 68355

Ion Ratio Lower Upper

62 100

64 34.9 25.1 37.7





#5

Bromomethane

Concen: 18.882 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

Tot Ion: 94 Resp: 47616

Ion Ratio Lower Upper

94 100

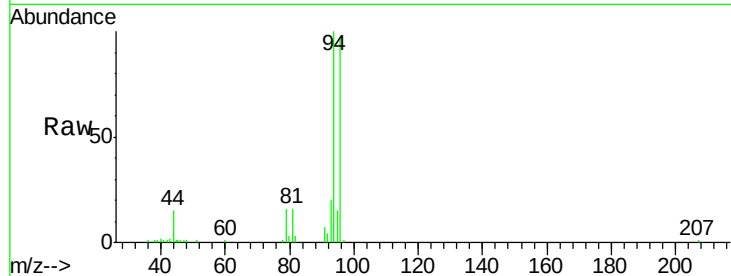
96 95.9 73.4 110.2

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

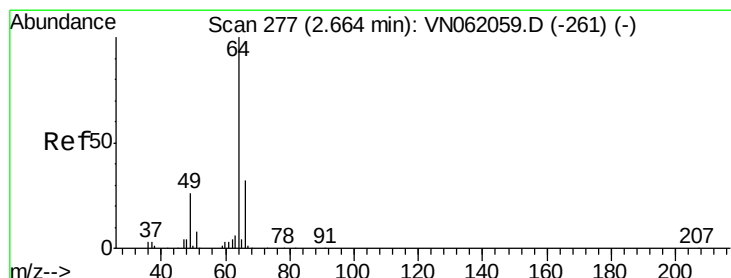
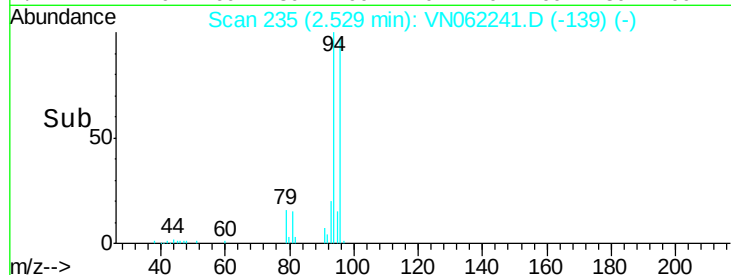
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Time-->

2.50

2.53

2.60



#6

Chloroethane

Concen: 17.870 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062241.D

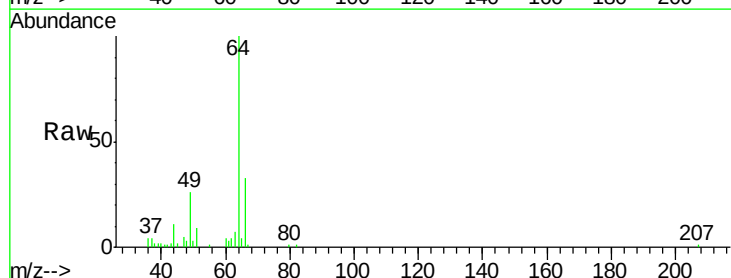
Acq: 30 Jun 2020 15:50

Tgt Ion: 64 Resp: 47633

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

5000

0

Time-->

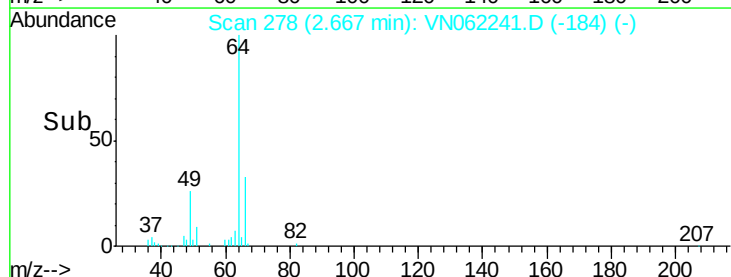
2.60

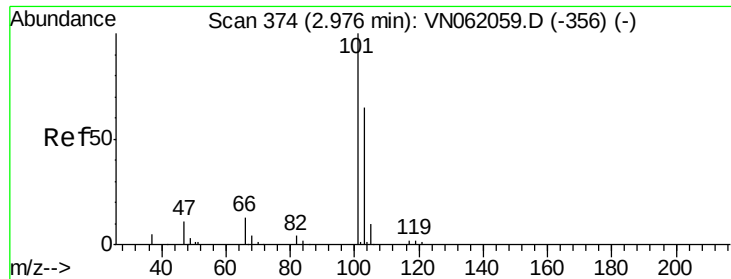
2.65

2.67

2.70

2.75





#7

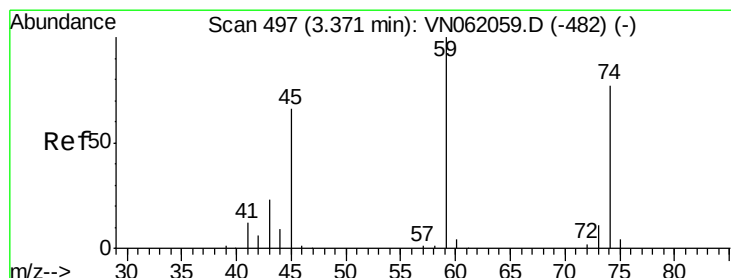
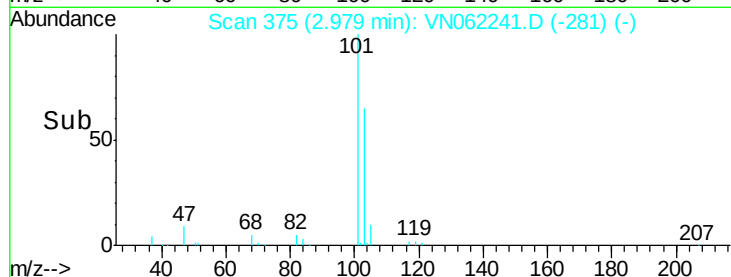
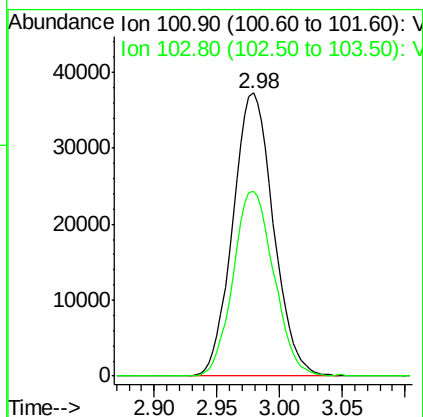
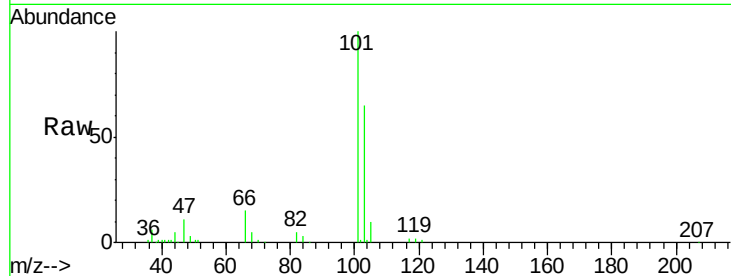
Trichlorofluoromethane
Concen: 17.436 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
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ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

Manual Integrations
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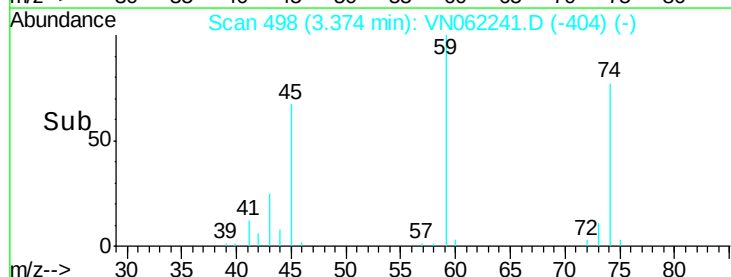
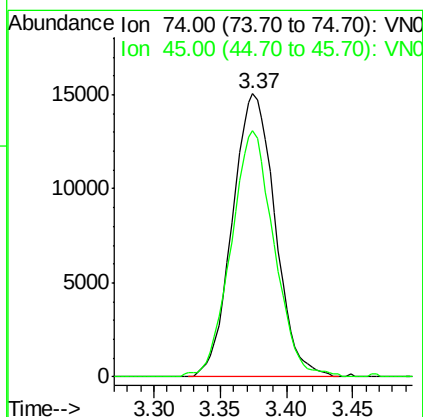
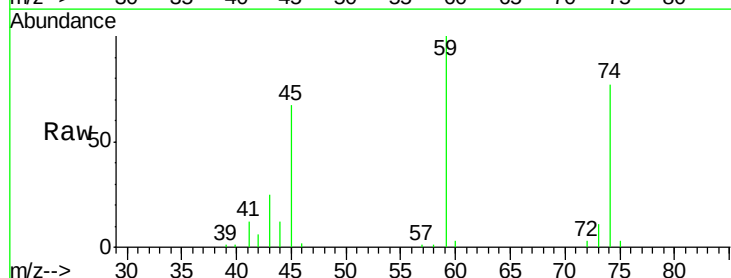
MMDadoda
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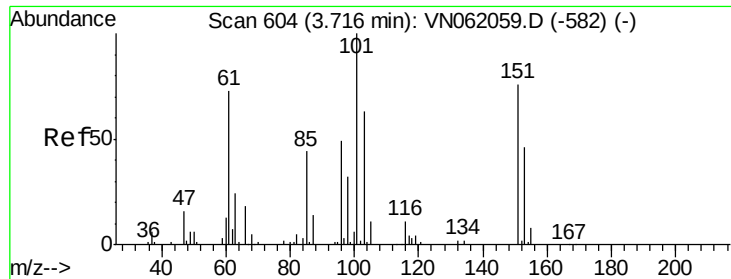


#8

Diethyl Ether
Concen: 20.103 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.5	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.331 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

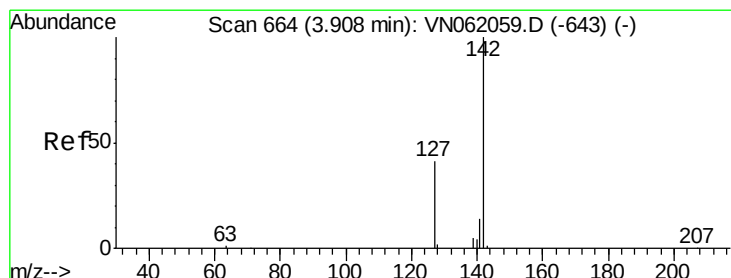
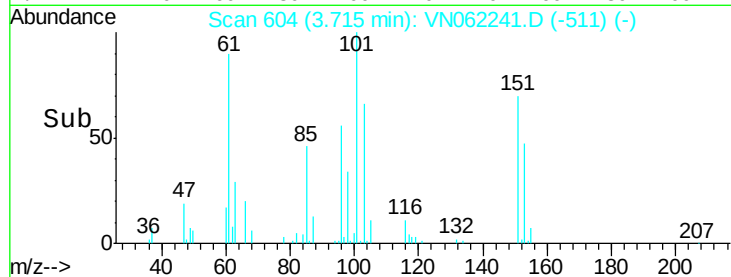
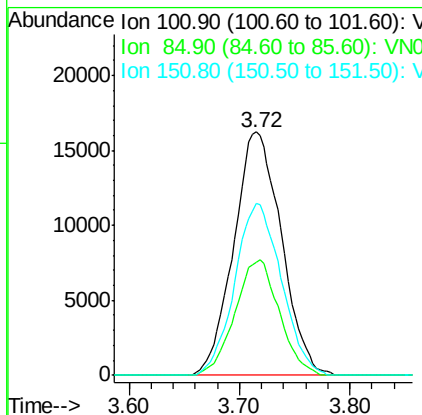
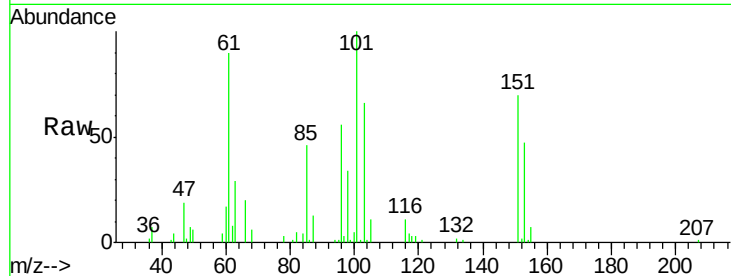
ClientSampleId :

VN0630WBSD01

Tot Ion:	101	Resp:	48672
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.5	51.7
151	68.8	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:33 AM



#10

Methyl Iodide

Concen: 19.439 ug/l

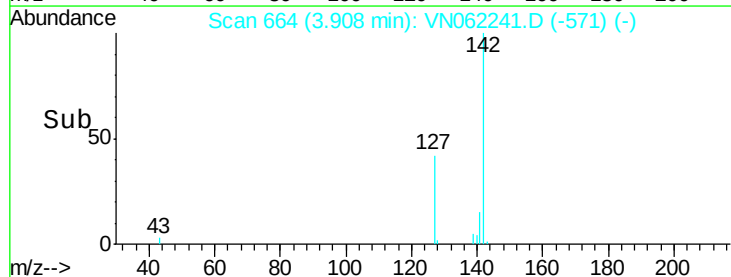
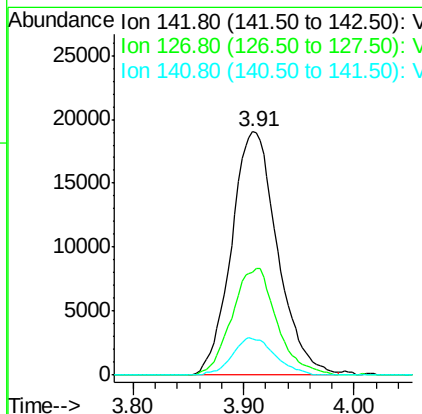
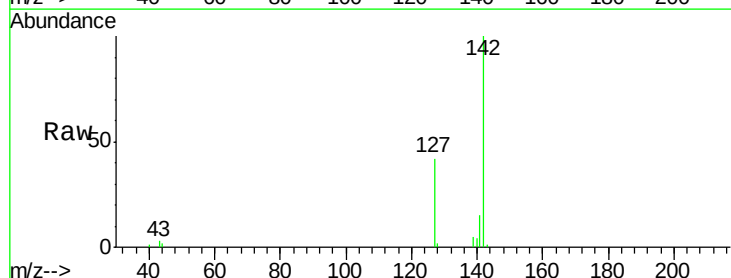
RT: 3.91 min Scan# 664

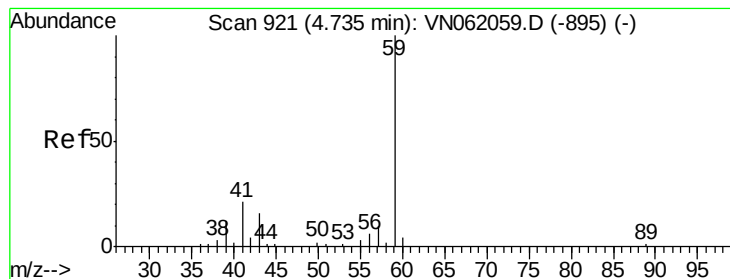
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	142	Resp:	55120
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.2	11.3	16.9





#11

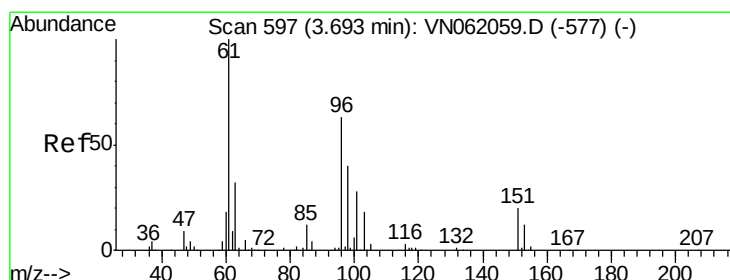
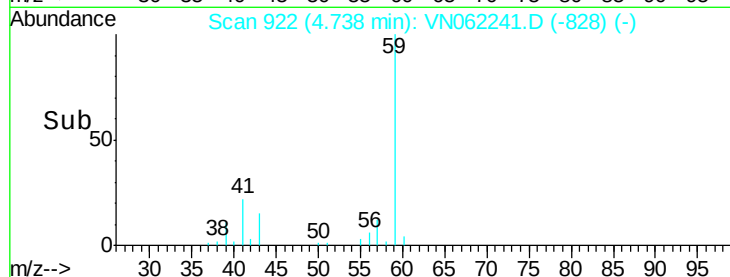
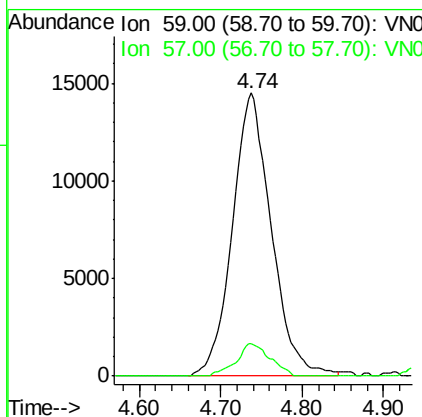
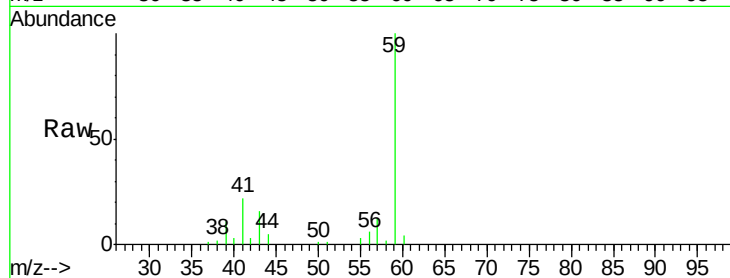
Tert butyl alcohol
 Concen: 108.793 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
 APPROVED

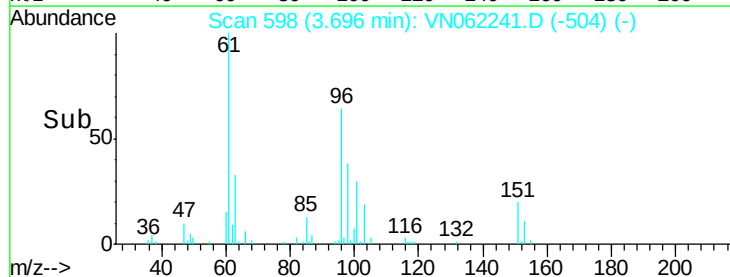
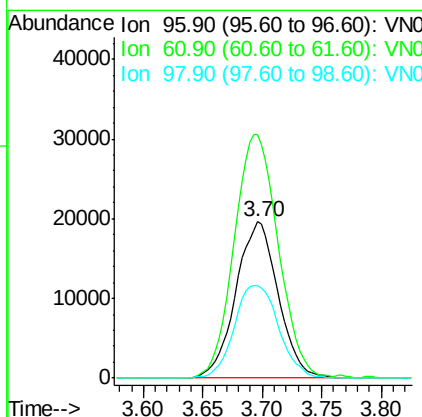
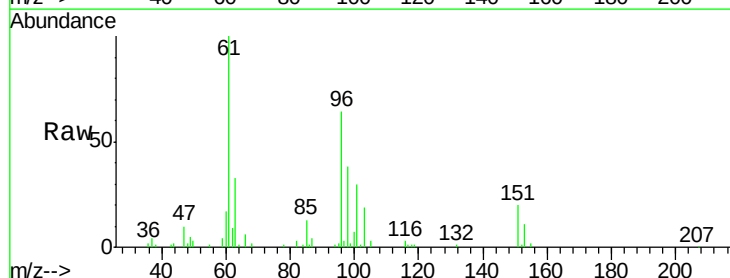
MMDadoda
 7/1/2020 10:16:33 AM

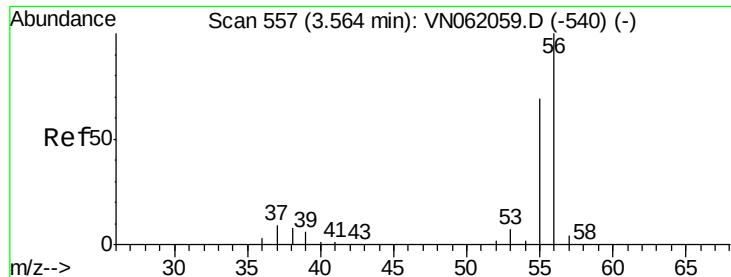


#12

1,1-Dichloroethene
 Concen: 19.192 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	126.7	190.1
98	59.7	51.0	76.4





#13

Acrolein

Concen: 107.847 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

Tot Ion: 56 Resp: 46636

Ion Ratio Lower Upper

56 100

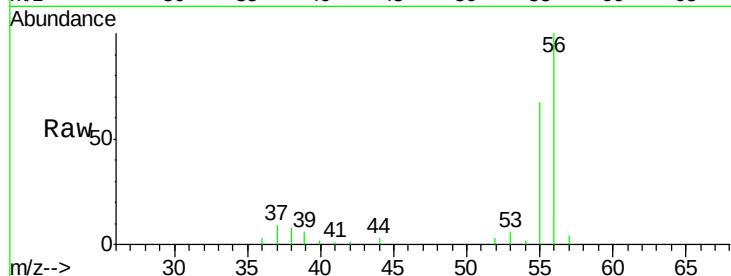
55 69.5 55.5 83.3

Manual Integrations

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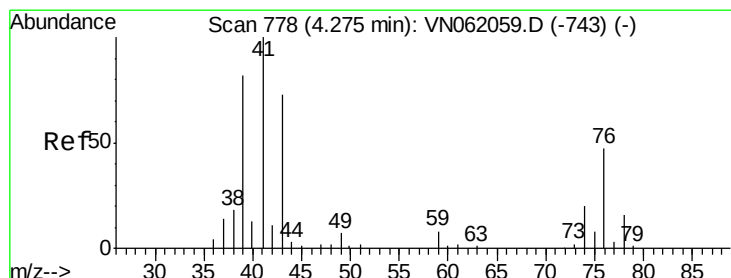
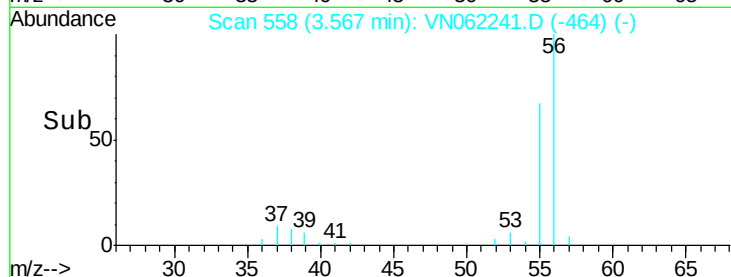
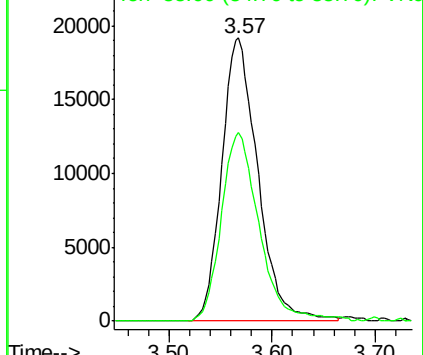
MMDadoda

7/1/2020 10:16:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.842 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

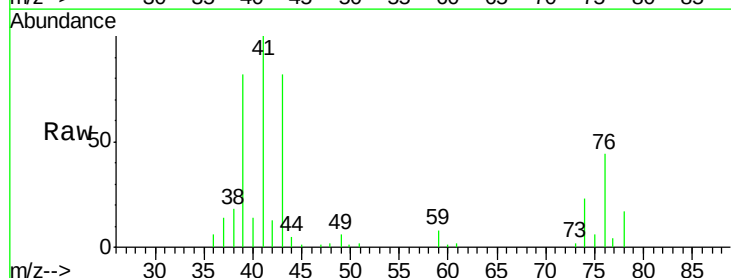
Tgt Ion: 41 Resp: 71422

Ion Ratio Lower Upper

41 100

39 74.1 60.0 90.0

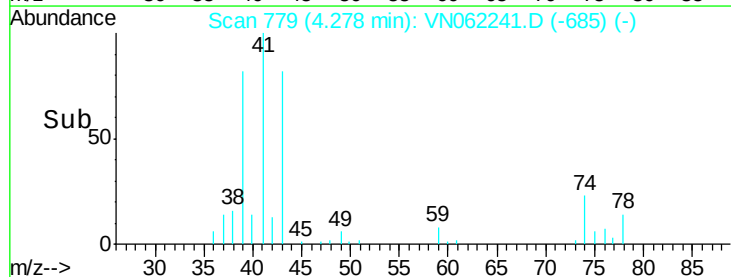
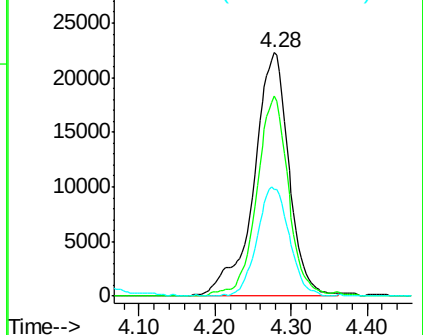
76 40.8 34.1 51.1

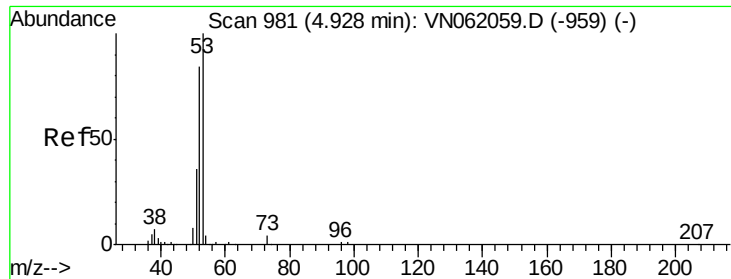


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.589 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

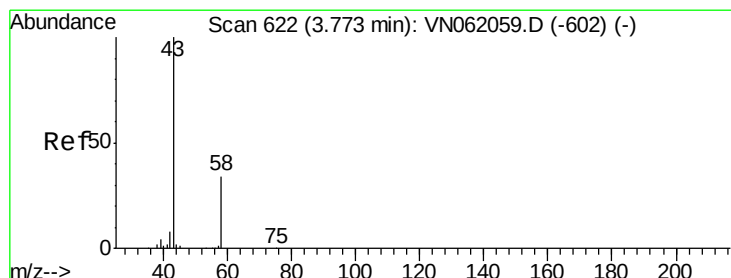
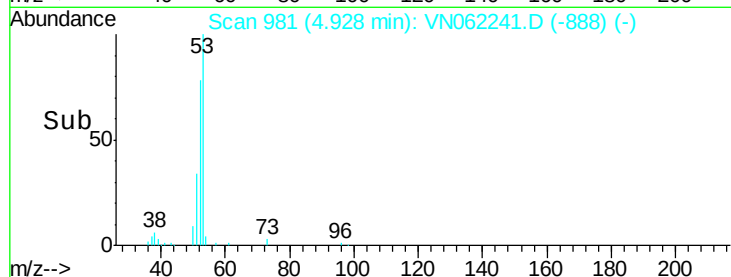
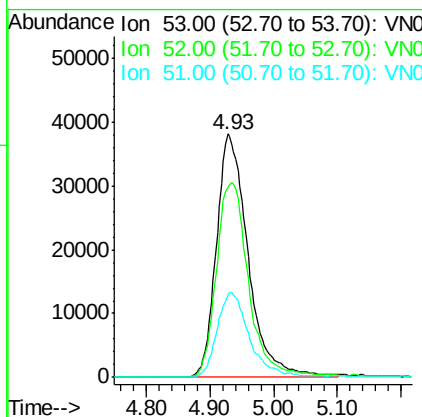
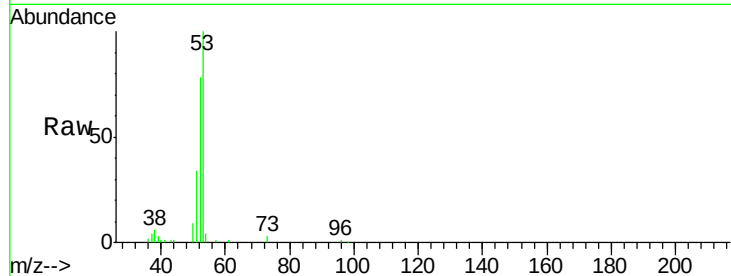
ClientSampled :

VN0630WBSD01

Tot Ion:	53	Resp:	131900
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.2	99.4
51	34.9	28.9	43.3

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#16

Acetone

Concen: 107.876 ug/l

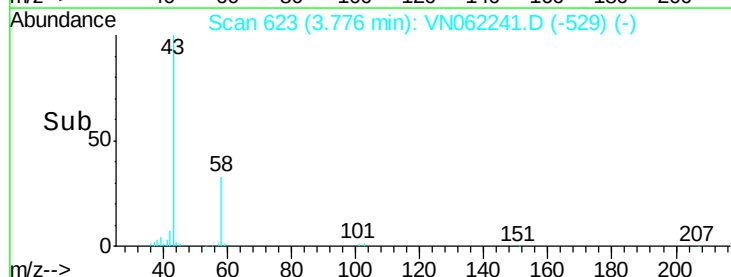
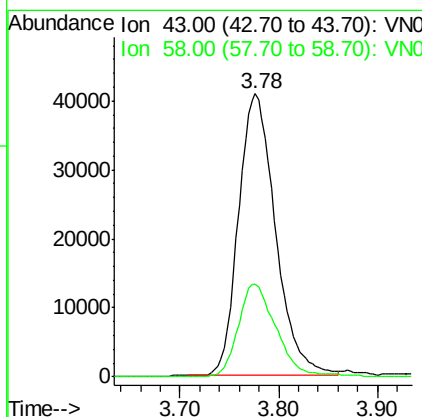
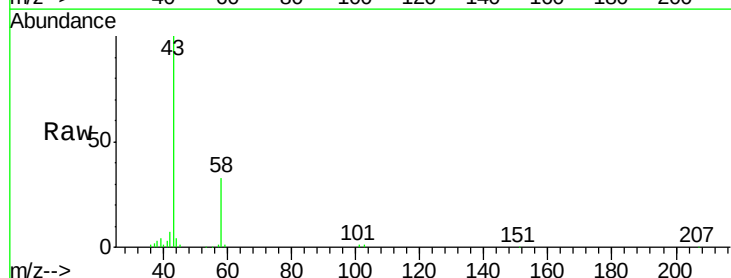
RT: 3.78 min Scan# 623

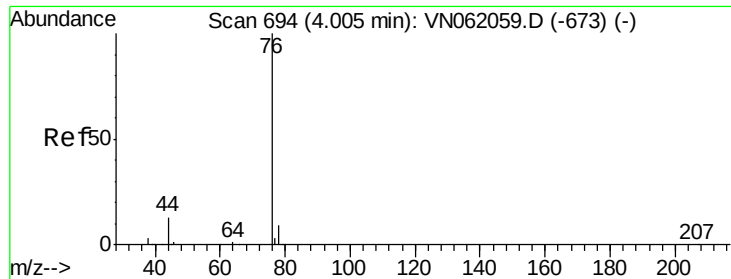
Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	43	Resp:	106386
Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.5	41.3





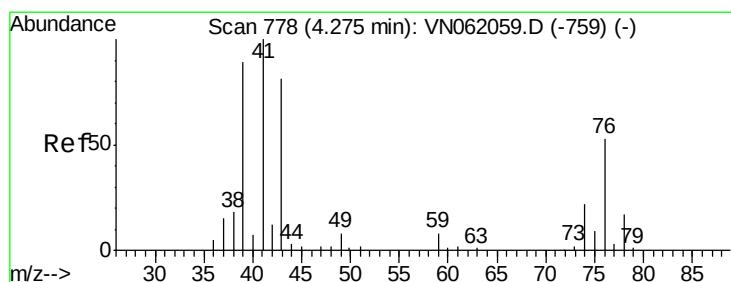
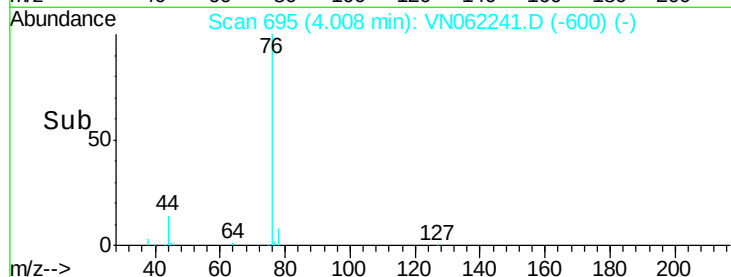
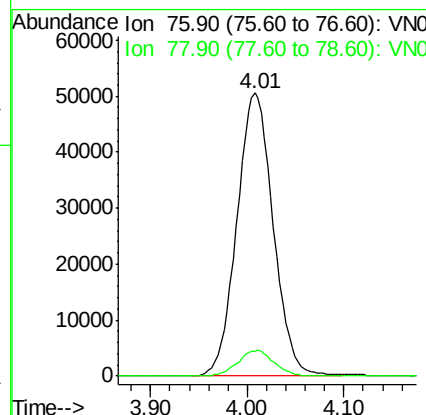
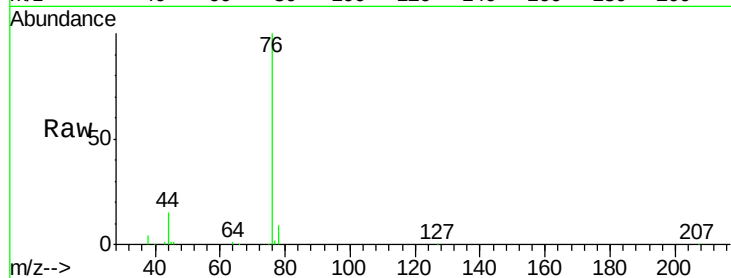
#17
Carbon Disulfide
Concen: 18.332 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

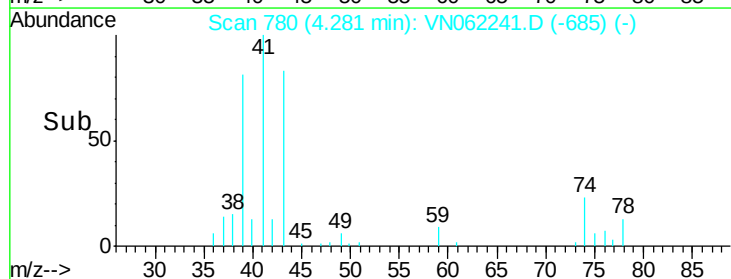
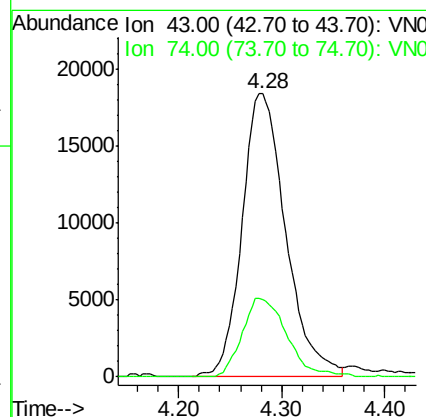
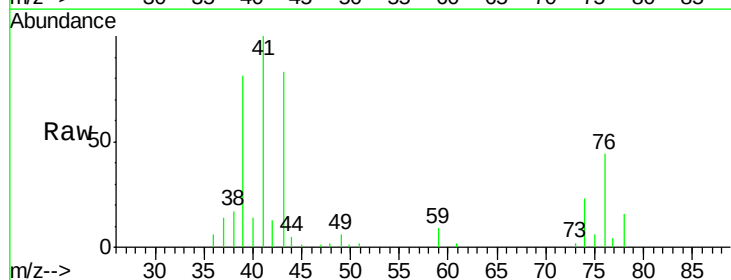
Manual Integrations
APPROVED

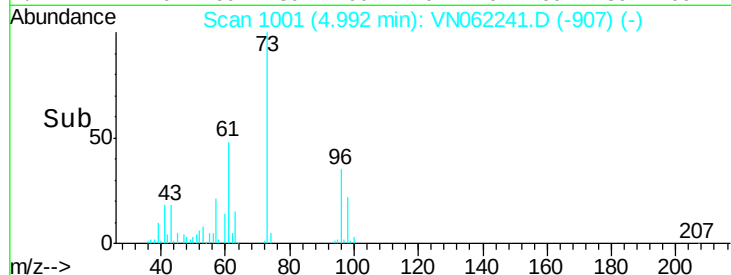
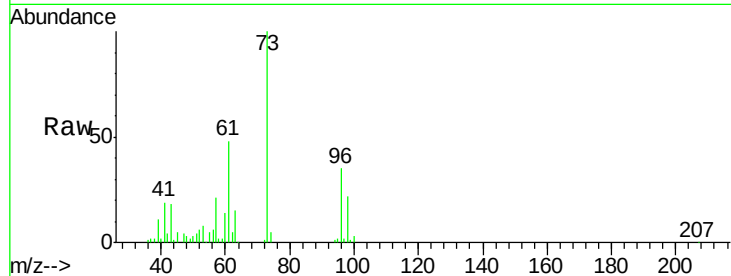
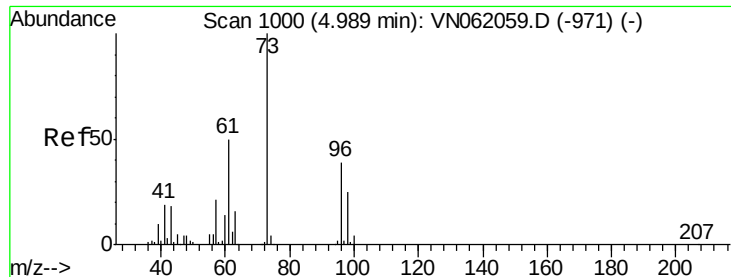
MMDadoda
7/1/2020 10:16:33 AM



#18
Methyl Acetate
Concen: 22.194 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	22.9	34.3





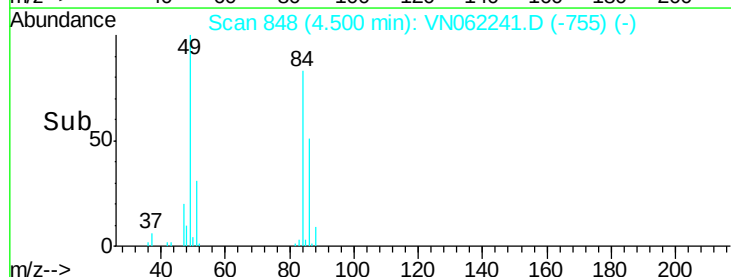
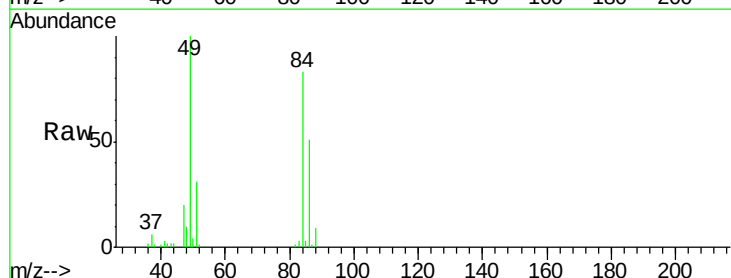
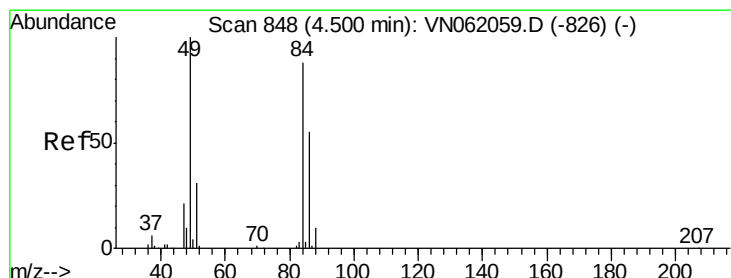
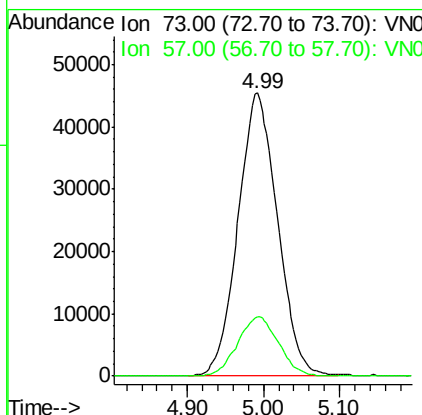
#19
Methyl tert-butyl Ether
Concen: 20.402 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tot Ion: 73 Resp: 164095
Ion Ratio Lower Upper
73 100
57 21.2 16.6 24.8

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

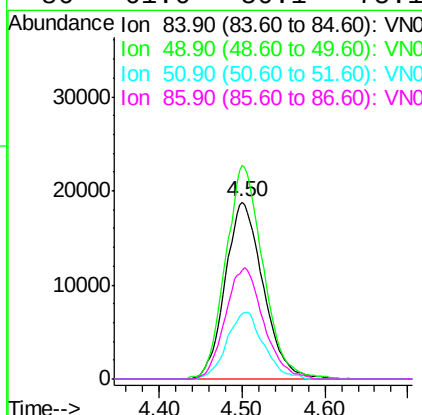
Manual Integrations
APPROVED

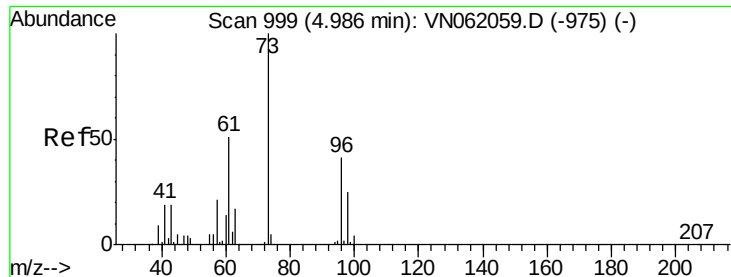
MMDadoda
7/1/2020 10:16:33 AM



#20
Methylene Chloride
Concen: 21.021 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 84 Resp: 59718
Ion Ratio Lower Upper
84 100
49 119.9 90.6 136.0
51 37.2 27.8 41.8
86 61.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.448 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

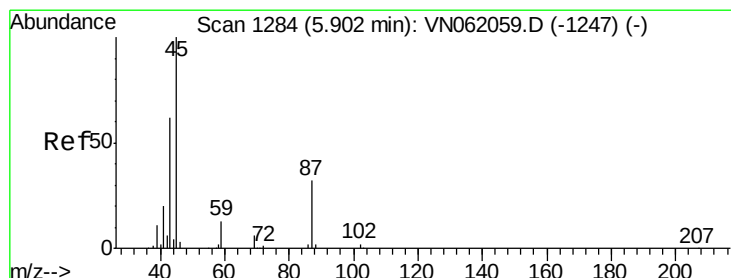
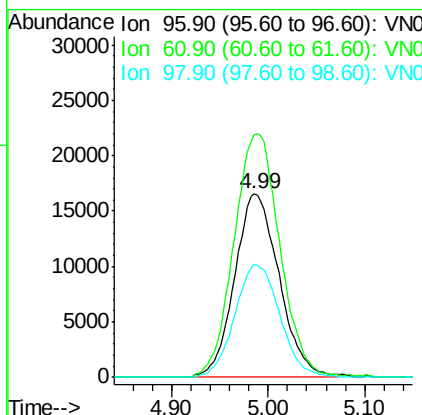
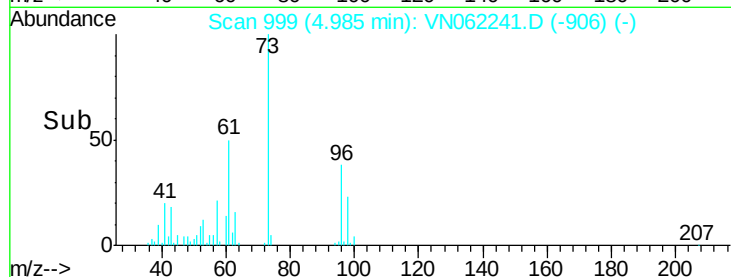
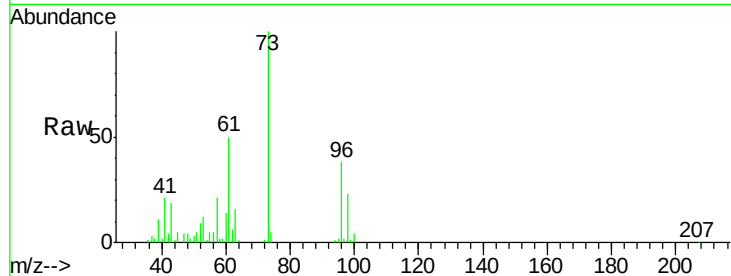
ClientSampleId :

VN0630WBSD01

Tot Ion:	96	Resp:	52899
Ion	Ratio	Lower	Upper
96	100		
61	131.9	101.4	152.2
98	61.4	49.3	73.9

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#22

Diisopropyl ether

Concen: 20.964 ug/l

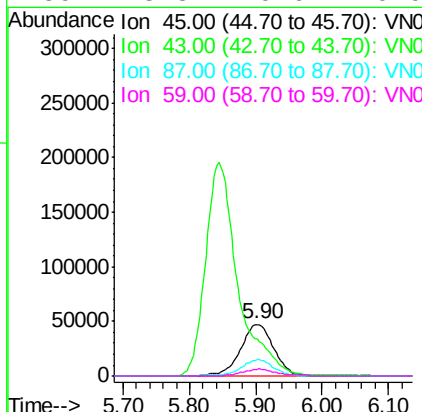
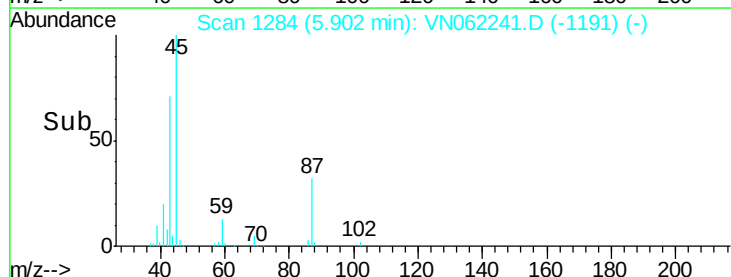
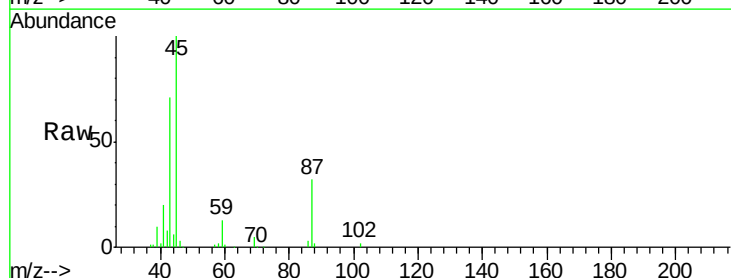
RT: 5.90 min Scan# 1284

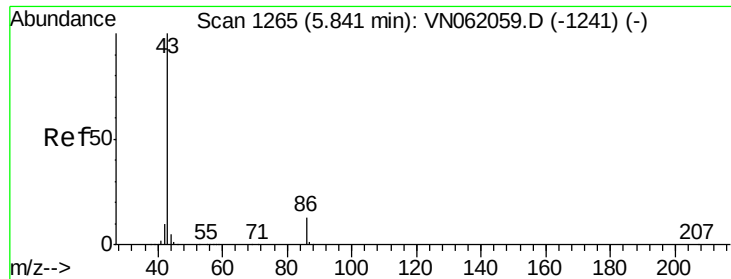
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	45	Resp:	163575
Ion	Ratio	Lower	Upper
45	100		
43	69.3	49.7	74.5
87	31.7	25.9	38.9
59	13.3	10.6	16.0





#23

Vinyl Acetate

Concen: 104.435 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

VN0630WBSD01

Tot Ion: 43 Resp: 665301

Ion Ratio Lower Upper

43 100

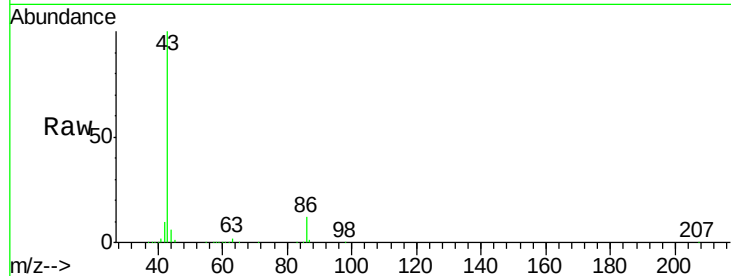
86 11.9 10.1 15.1

Manual Integrations

APPROVED

MMDadoda

7/1/2020 10:16:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062241.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062241.D (-1172) (-)

5.84

200000

150000

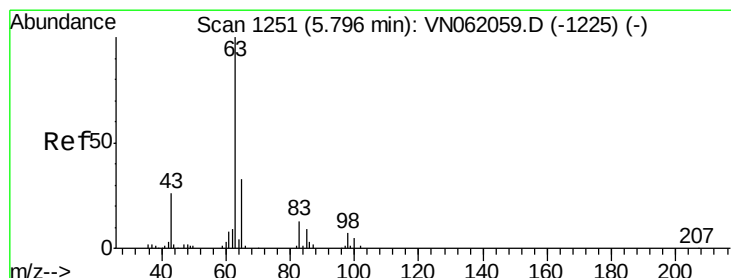
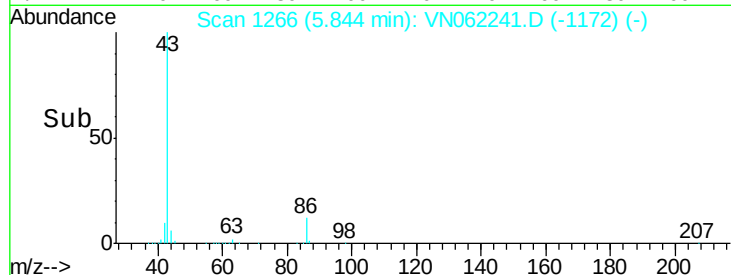
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.142 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

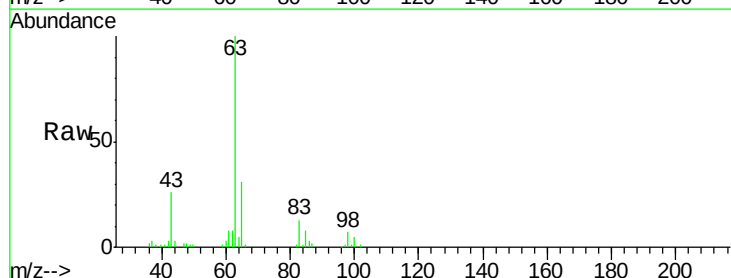
Tgt Ion: 63 Resp: 101206

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062241.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062241.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062241.D (-1158) (-)

5.80

40000

30000

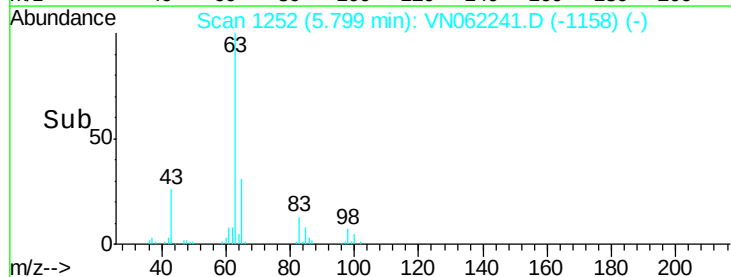
20000

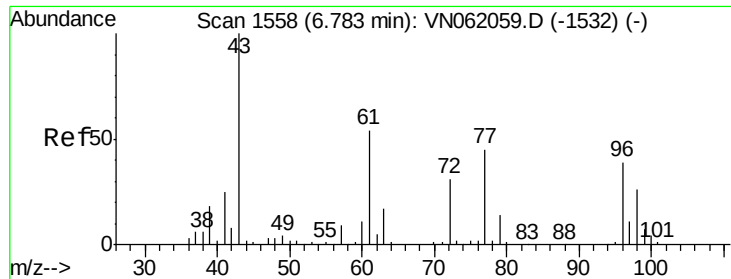
10000

0

5.70 5.80 5.90

Time-->





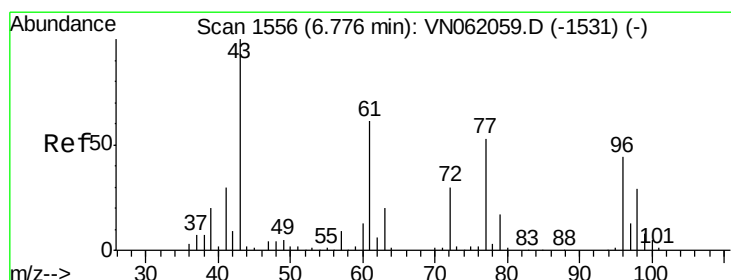
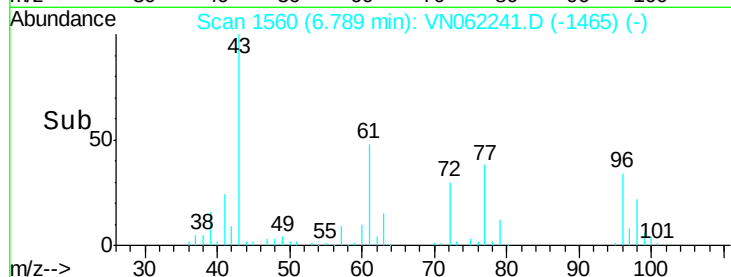
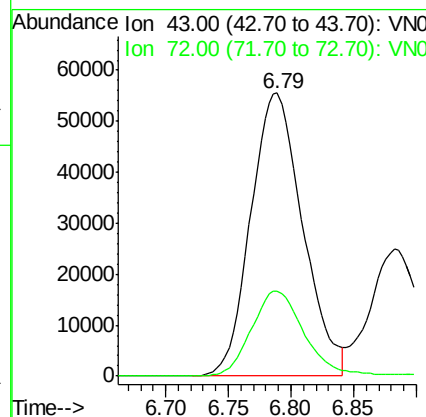
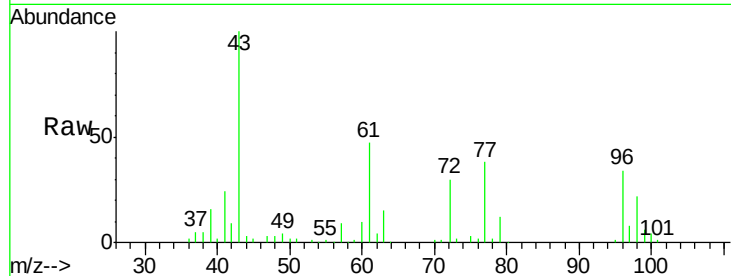
#25
2-Butanone
Concen: 106.454 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion: 43 Resp: 160065
Ion Ratio Lower Upper
43 100
72 29.8 24.8 37.2

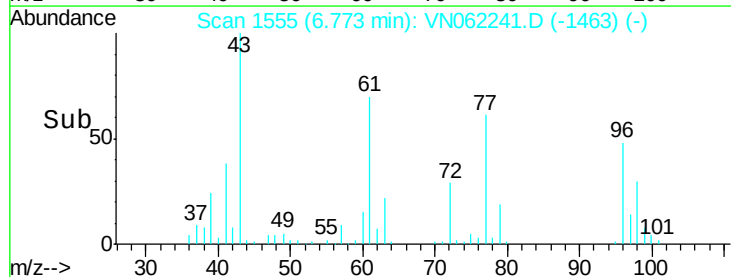
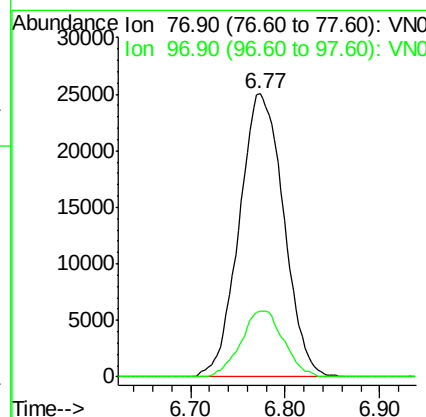
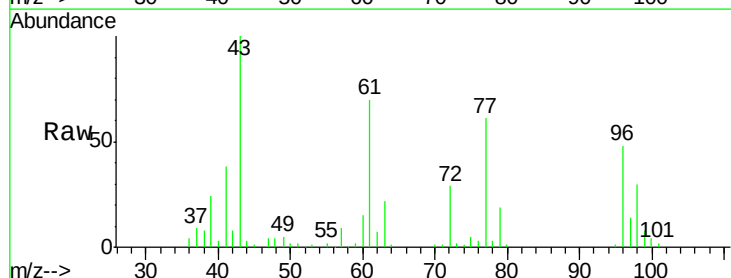
Manual Integrations
APPROVED

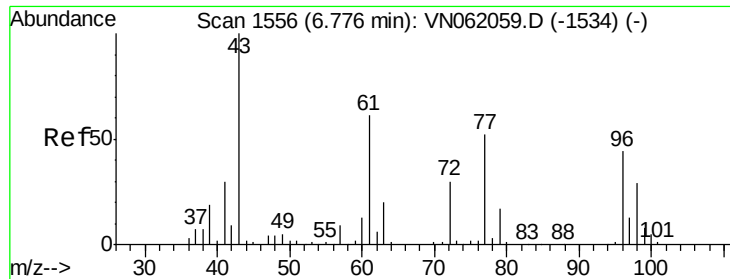
MMDadoda
7/1/2020 10:16:33 AM



#26
2,2-Dichloropropane
Concen: 19.499 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 77 Resp: 81643
Ion Ratio Lower Upper
77 100
97 22.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.937 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

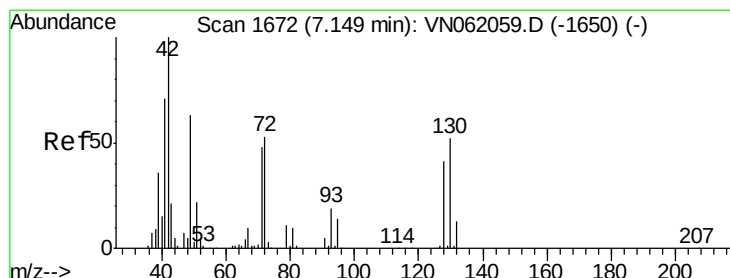
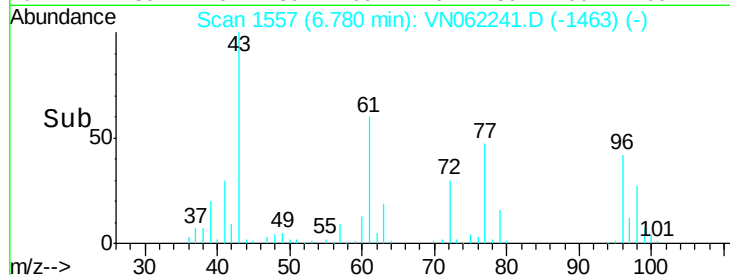
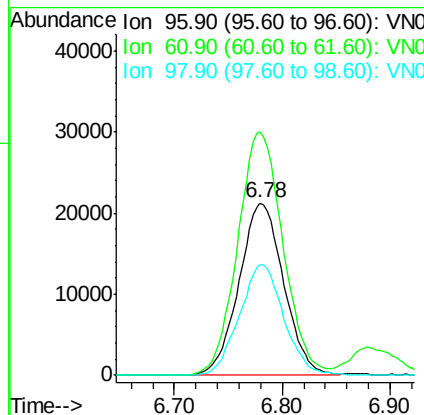
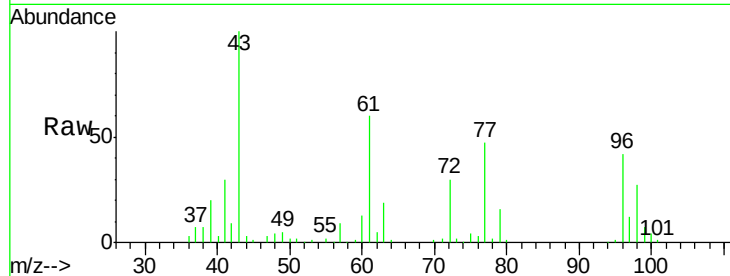
ClientSampled :

VN0630WBSD01

Tot Ion:	96	Resp:	61101
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	280.4
98	64.0	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:33 AM



#28

Bromochloromethane

Concen: 21.002 ug/l

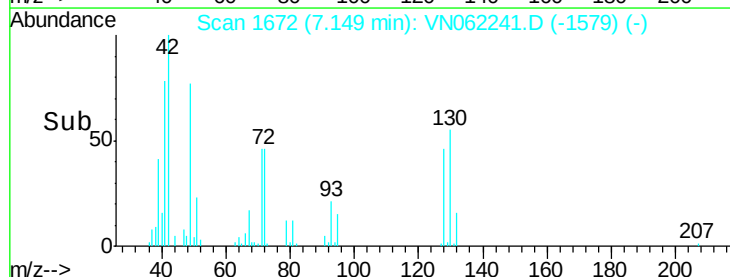
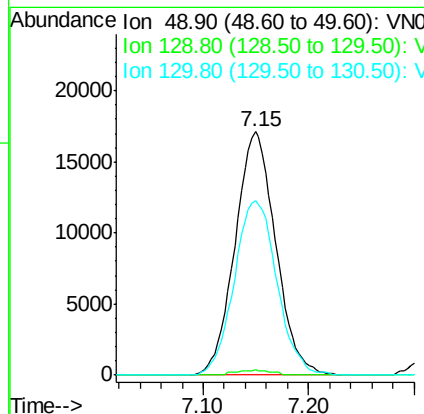
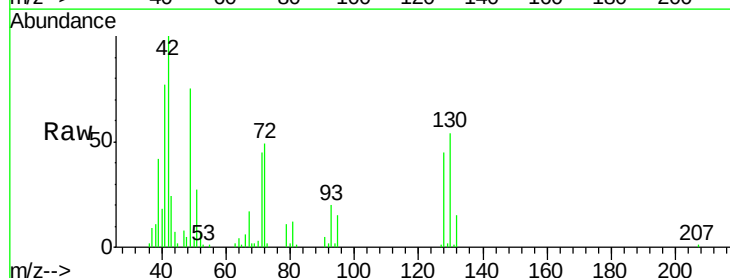
RT: 7.15 min Scan# 1672

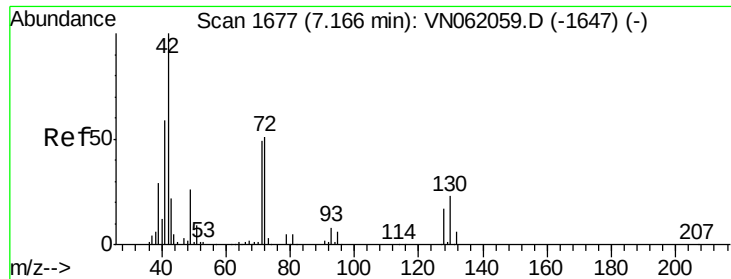
Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	49	Resp:	45785
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	75.1	65.5	98.3





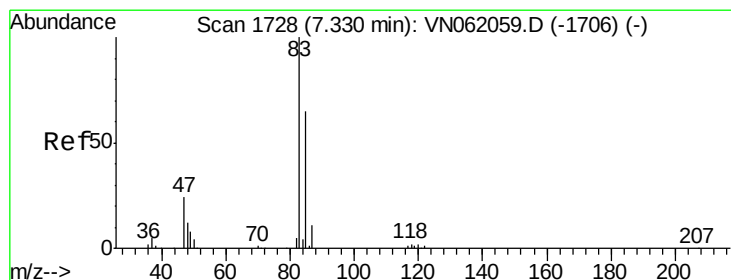
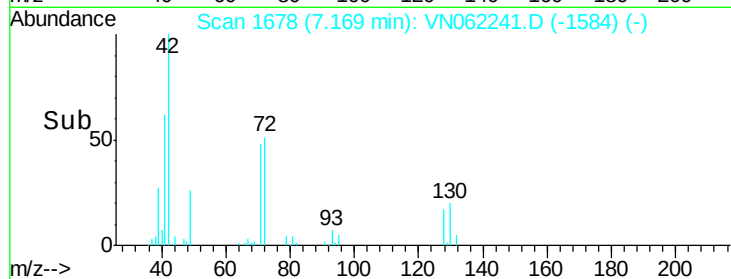
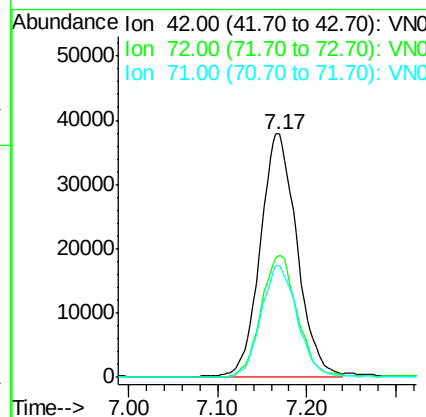
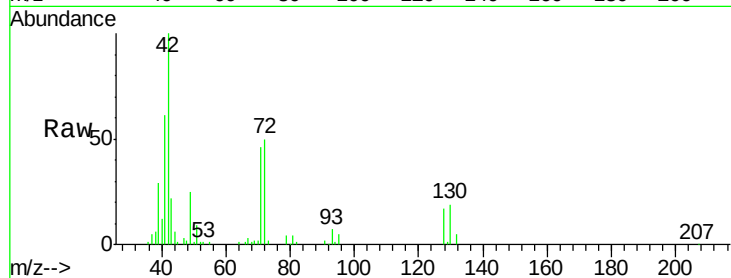
#29
Tetrahydrofuran
Concen: 110.554 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	41.1	61.7
71	45.2	38.2	57.4

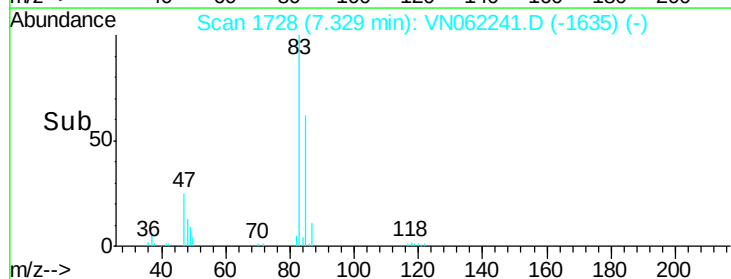
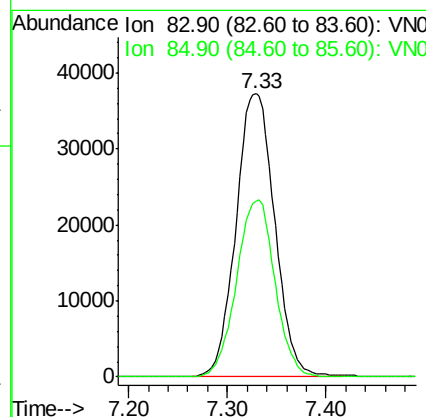
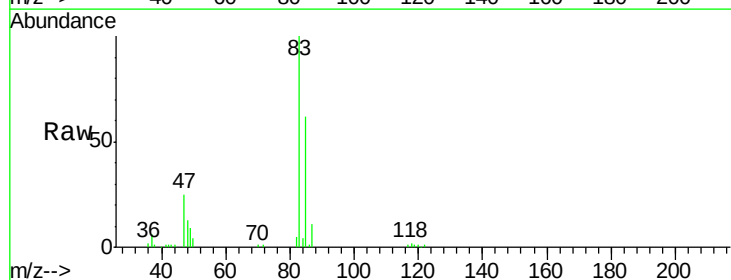
Manual Integrations
APPROVED

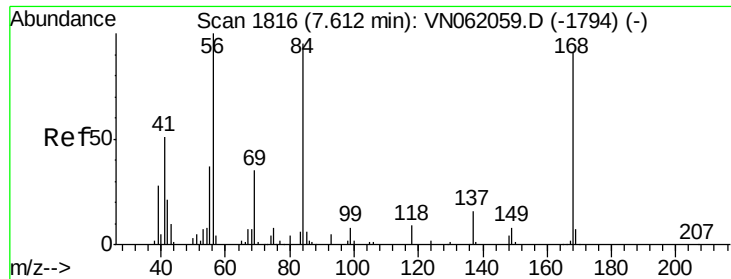
MMDadoda
7/1/2020 10:16:33 AM



#30
Chloroform
Concen: 19.854 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.3	78.5





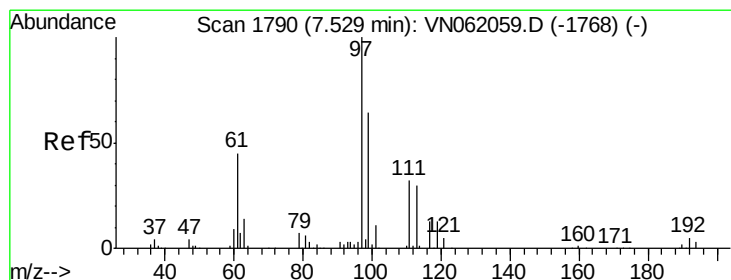
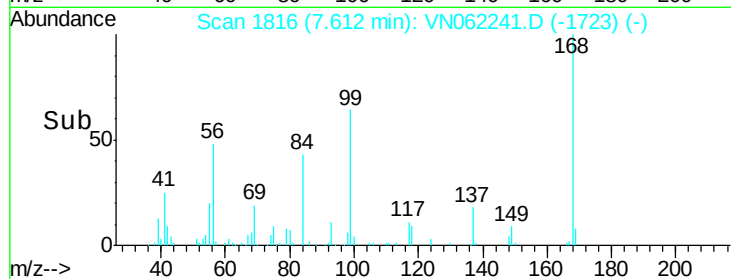
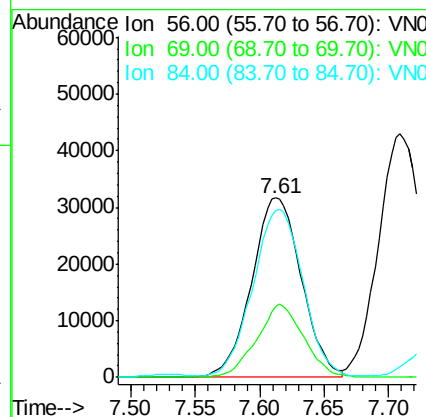
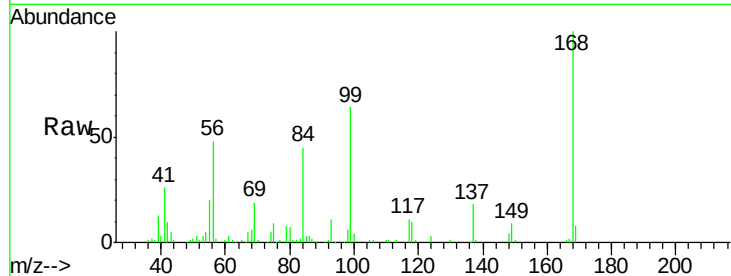
#31
Cyclohexane
Concen: 19.985 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	28.0	42.0
84	92.4	76.1	114.1

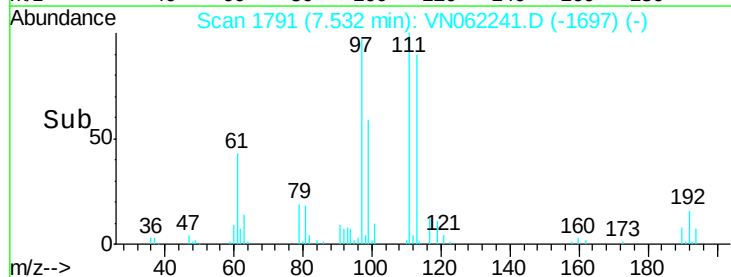
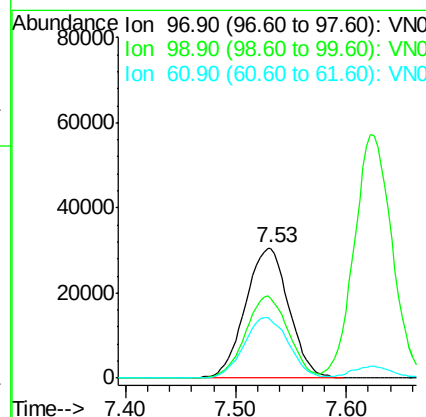
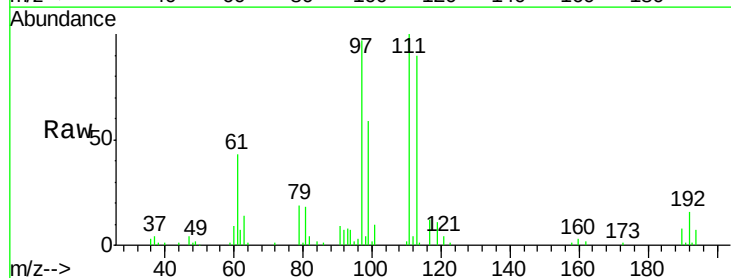
Manual Integrations
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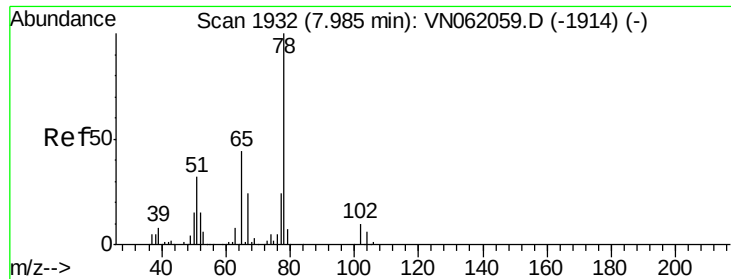
MMDadoda
7/1/2020 10:16:33 AM



#32
1,1,1-Trichloroethane
Concen: 19.433 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	47.3	36.2	54.2





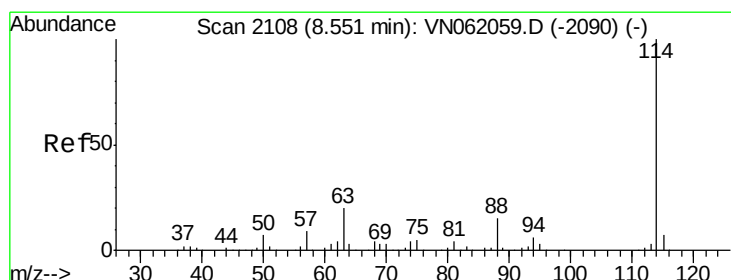
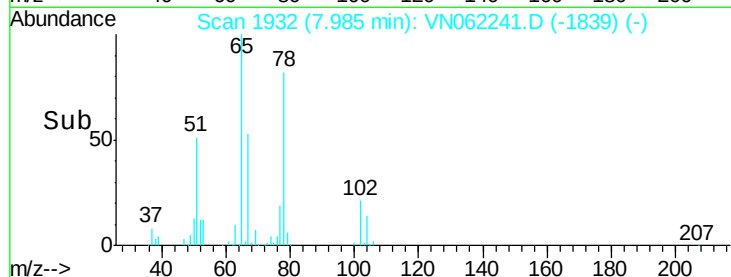
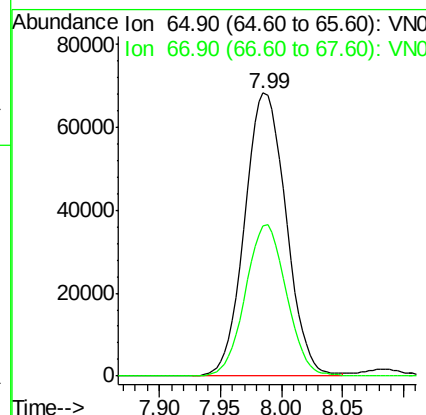
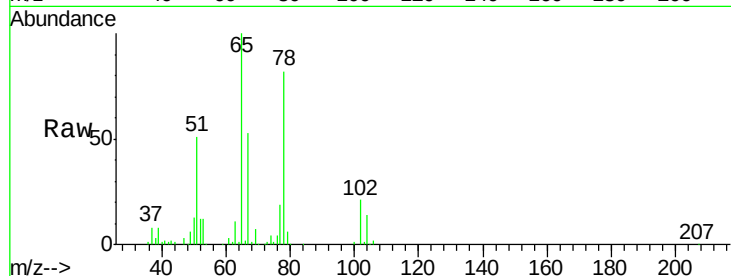
#33
 1,2-Dichloroethane-d4
 Concen: 52.197 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160568		
67	52.8	0.0	106.2	

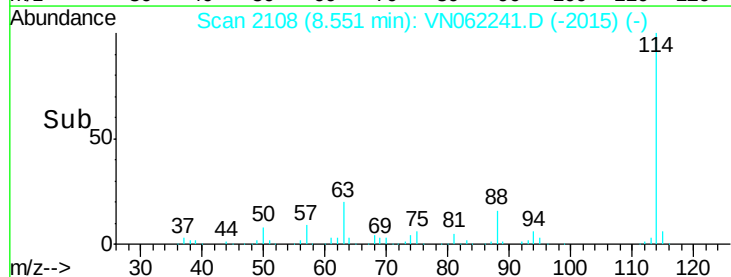
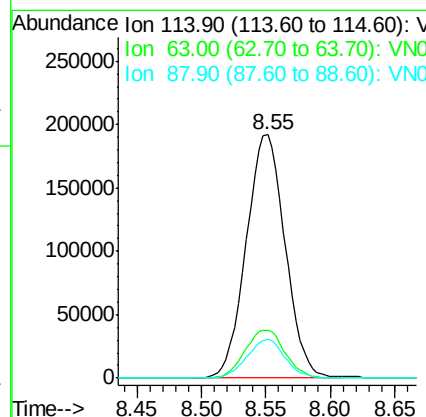
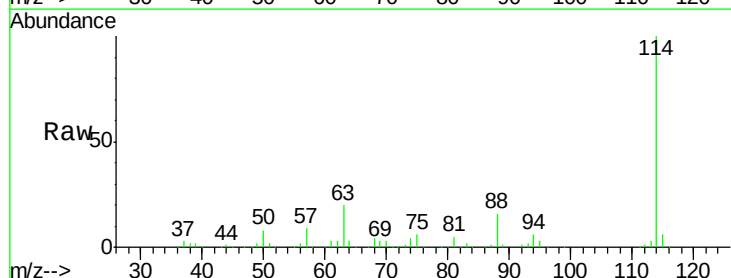
Manual Integrations
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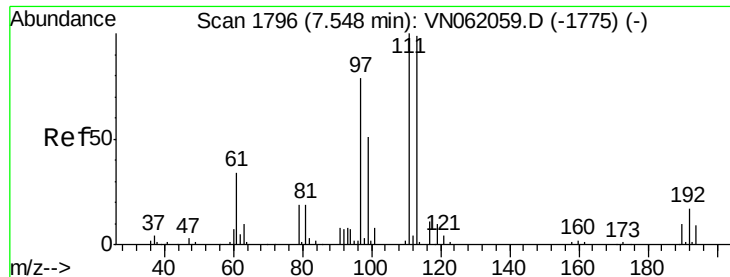
MMDadoda
 7/1/2020 10:16:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403376		
63	19.5	0.0	39.2	
88	15.7	0.0	30.8	





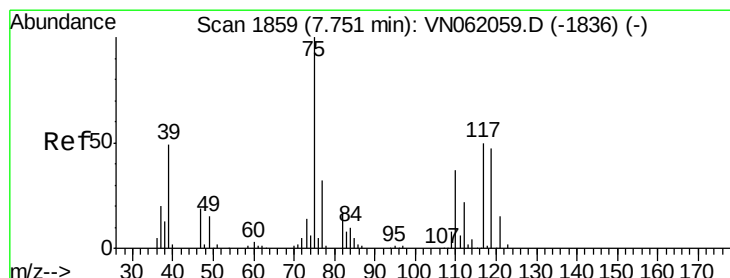
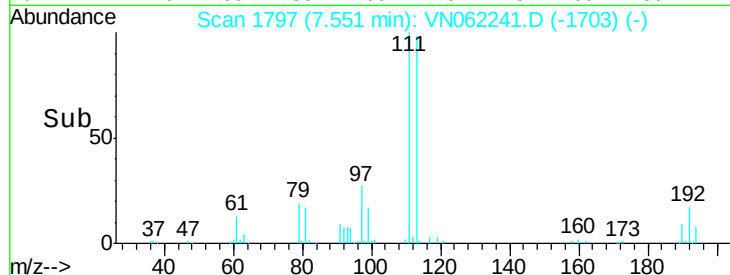
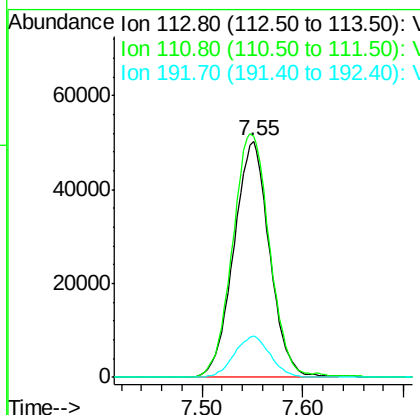
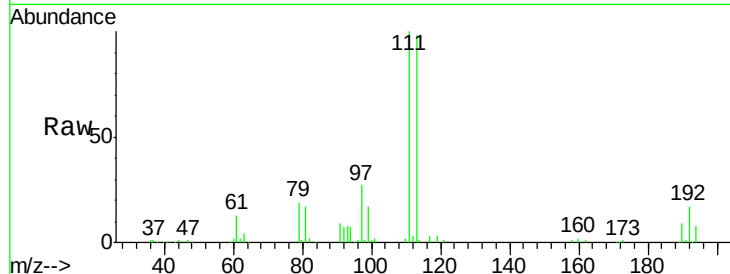
#35
 Dibromofluoromethane
 Concen: 47.836 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123792		
111	107.3	82.2	123.4	
192	17.4	14.0	21.0	

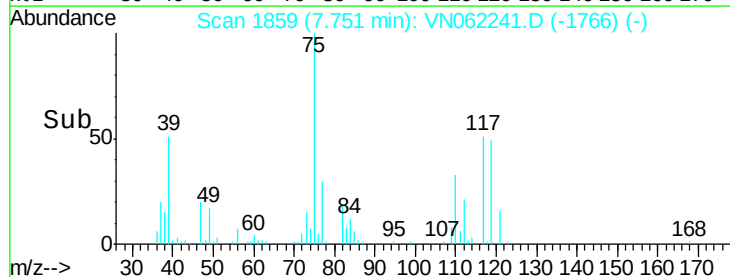
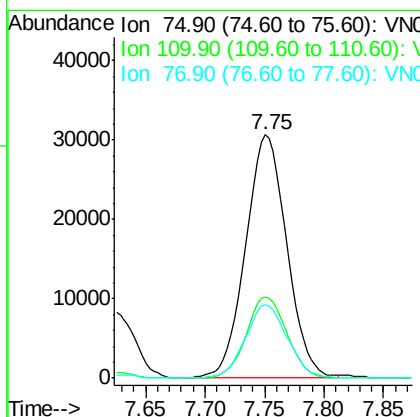
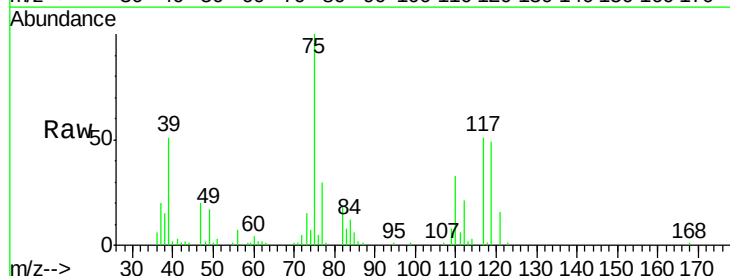
Manual Integrations
 APPROVED

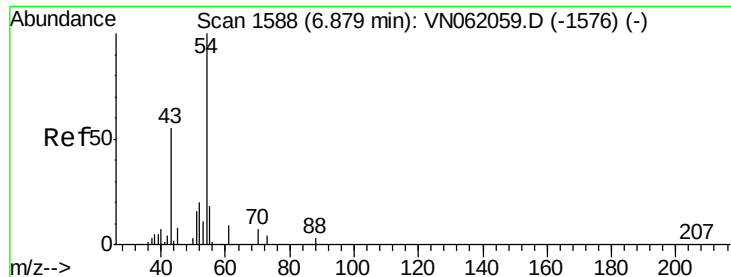
MMDadoda
 7/1/2020 10:16:33 AM



#36
 1,1-Dichloropropene
 Concen: 18.150 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73590		
110	32.7	17.9	53.8	
77	30.6	24.9	37.3	





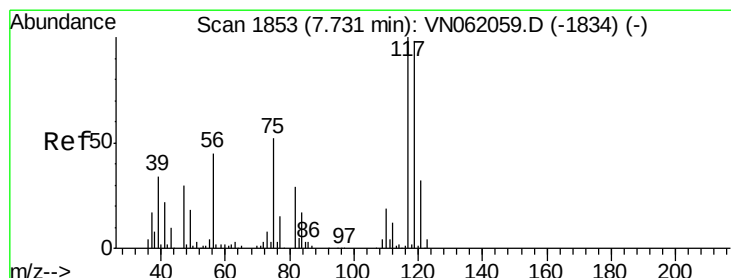
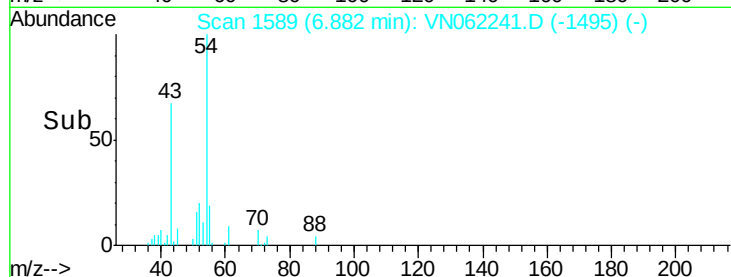
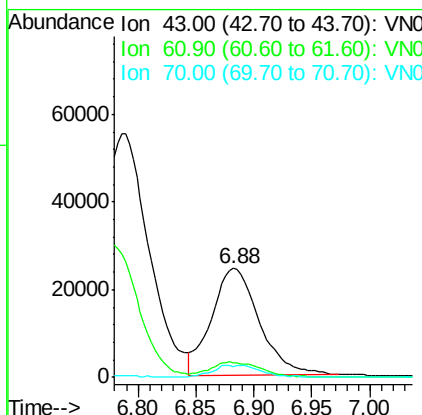
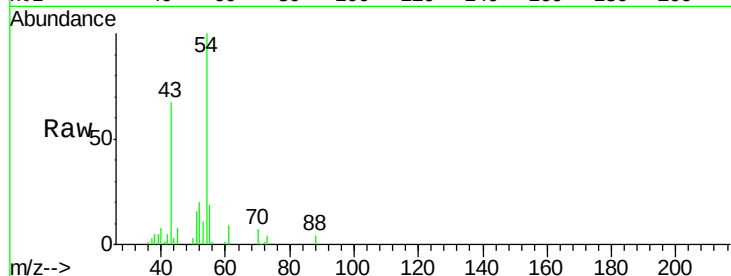
#37
Ethyl Acetate
Concen: 20.903 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.5	12.0	18.0	
70	5.3	9.6	14.4	

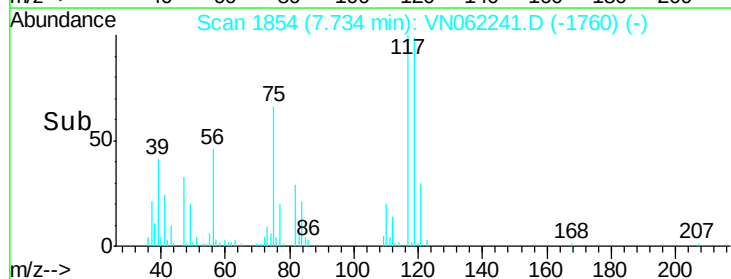
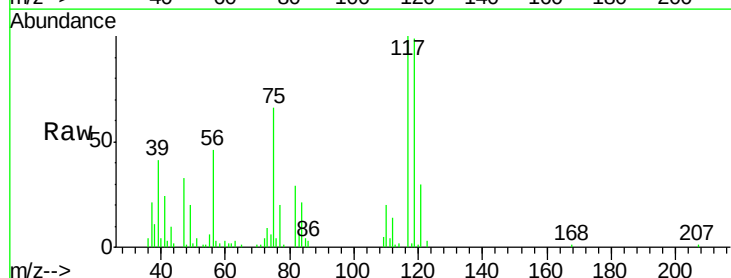
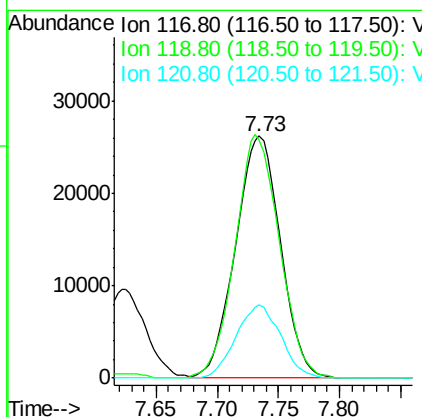
Manual Integrations
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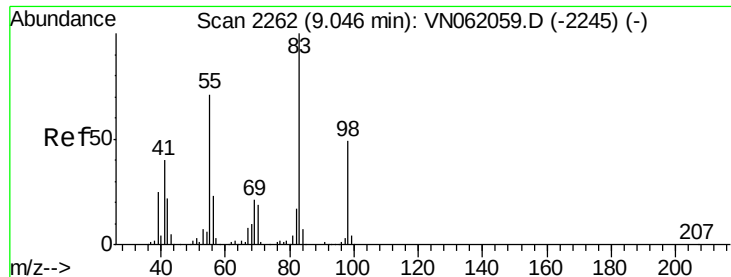
MMDadoda
7/1/2020 10:16:33 AM



#38
Carbon Tetrachloride
Concen: 17.502 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.8	78.2	117.2	
121	30.5	25.8	38.6	





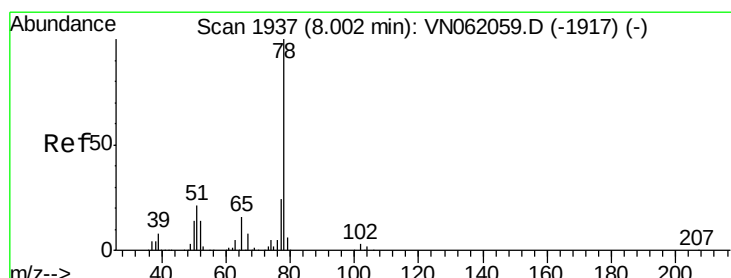
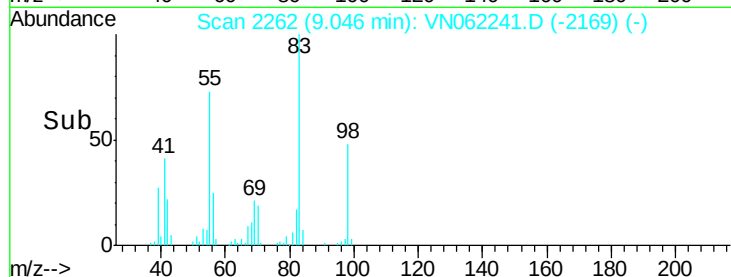
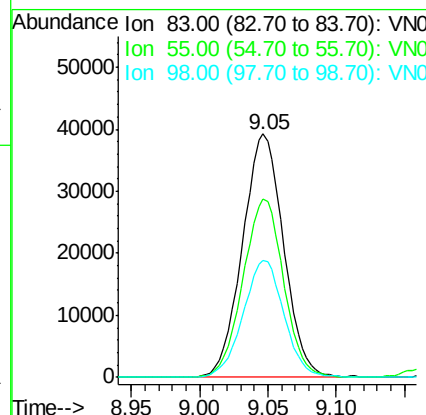
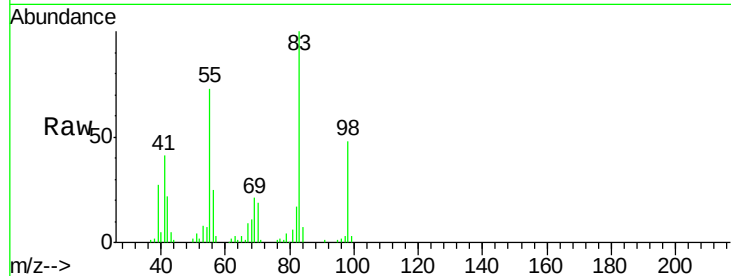
#39
Methylvlcyclohexane
Concen: 18.459 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.0	85.6
98	48.0	39.0	58.6

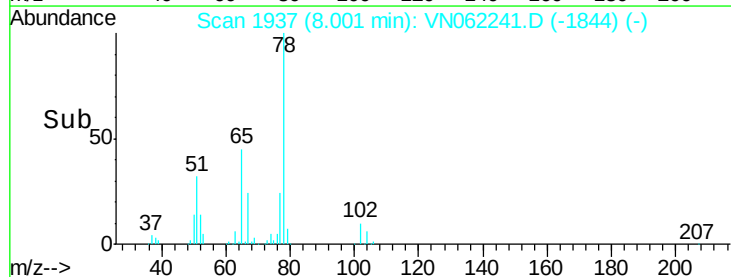
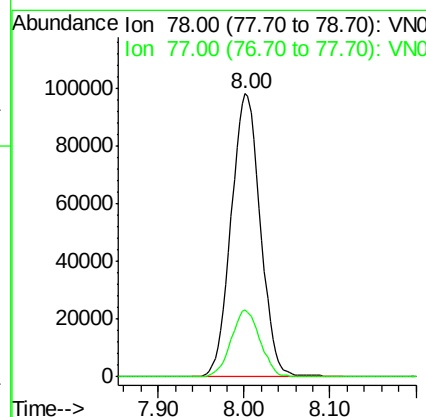
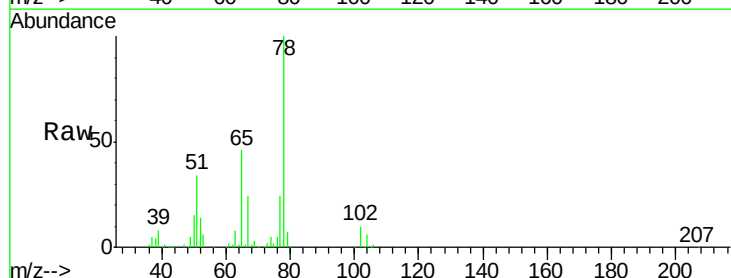
Manual Integrations
APPROVED

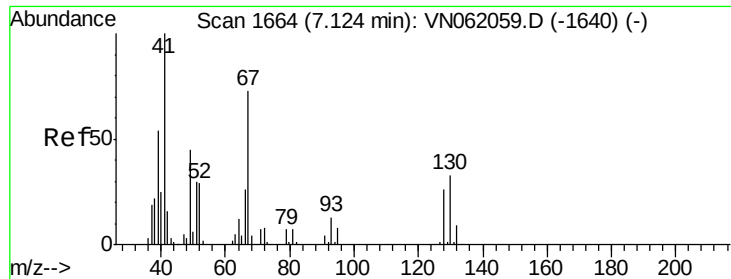
MMDadoda
7/1/2020 10:16:33 AM



#40
Benzene
Concen: 18.752 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





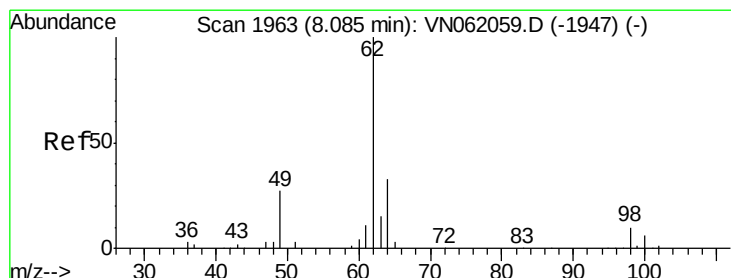
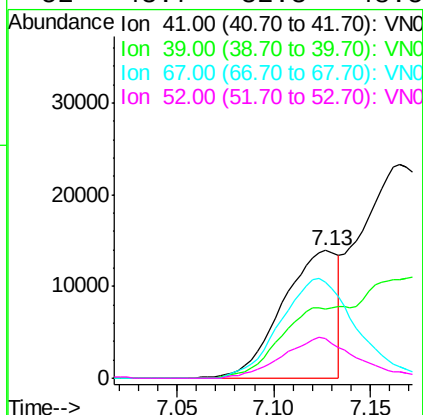
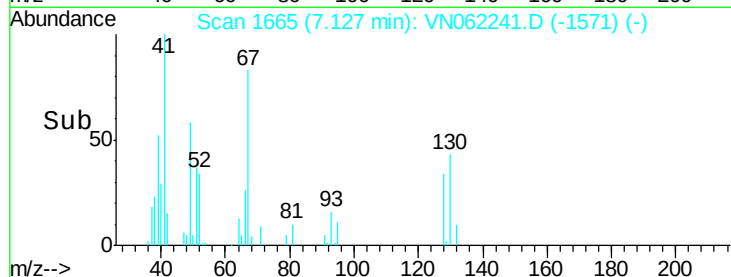
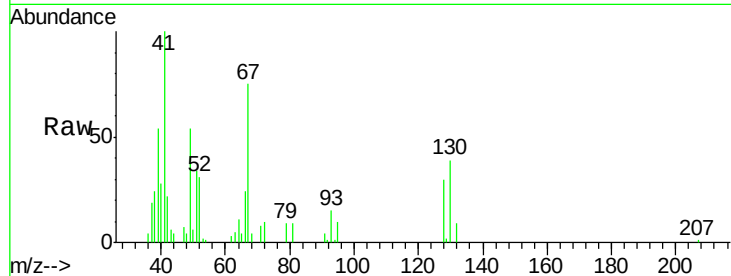
#41
Methacrylonitrile
Concen: 17.908 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion:	41	Resp:	27873
Ion	Ratio	Lower	Upper
41	100		
39	46.3	44.2	66.2
67	106.6	79.5	119.3
52	43.7	32.3	48.5

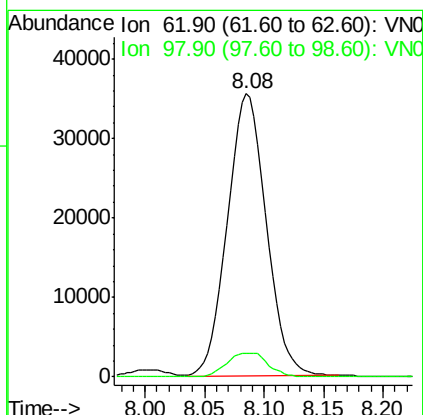
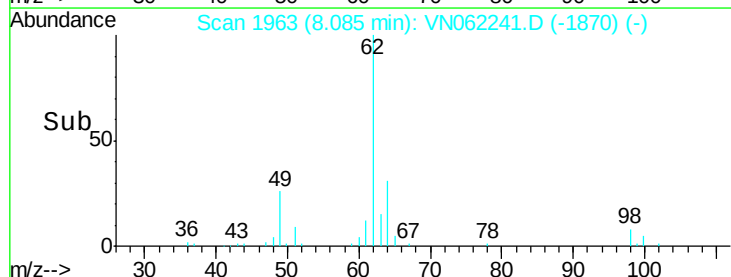
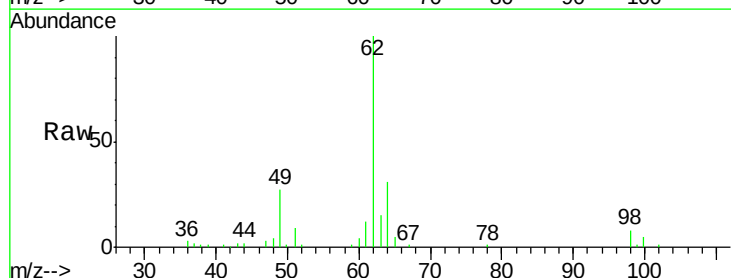
Manual Integrations
APPROVED

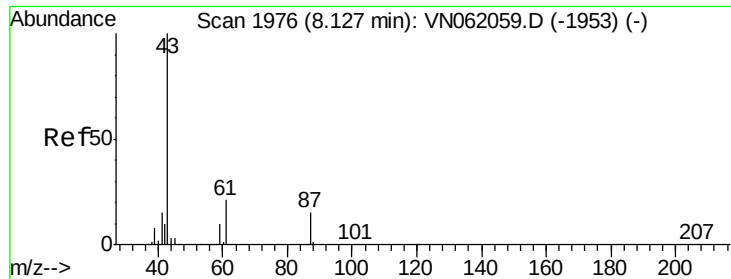
MMDadoda
7/1/2020 10:16:33 AM



#42
1,2-Dichloroethane
Concen: 19.272 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion:	62	Resp:	80467
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.051 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

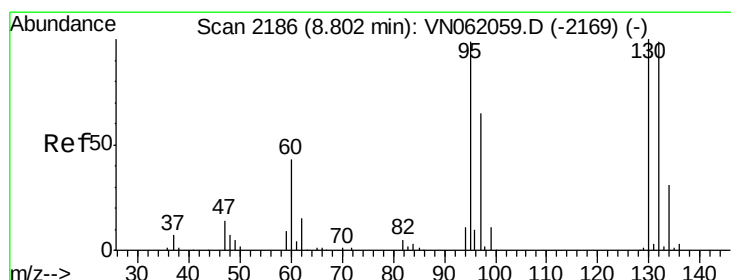
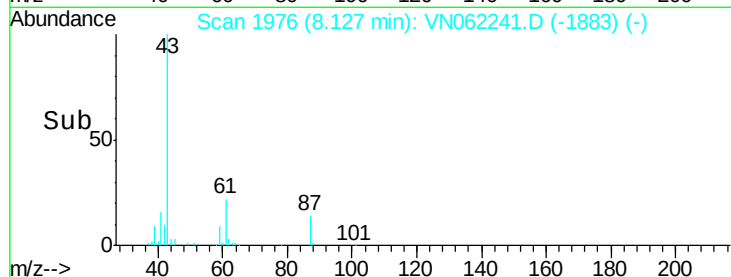
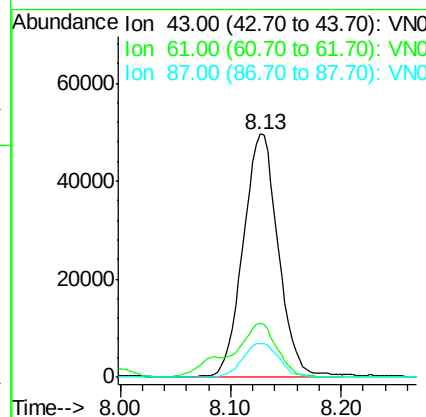
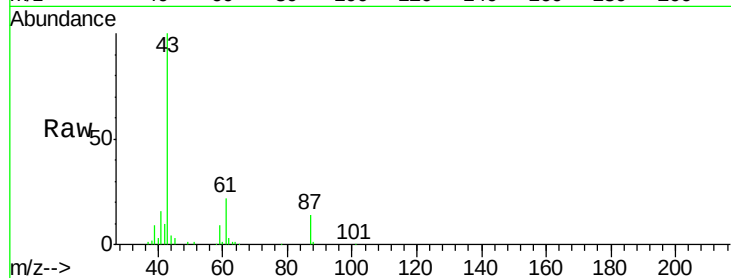
ClientSampleId :

VN0630WBSD01

Tot Ion:	43	Resp:	109741
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.2	25.8
87	14.3	12.1	18.1

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#44

Trichloroethene

Concen: 17.706 ug/l

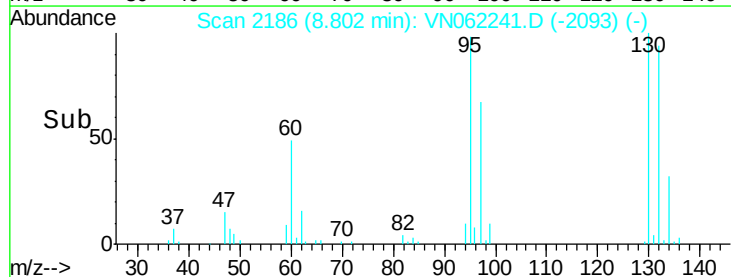
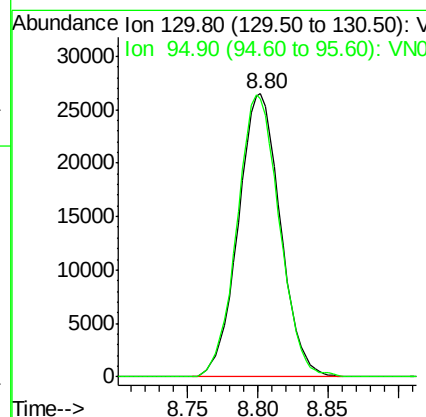
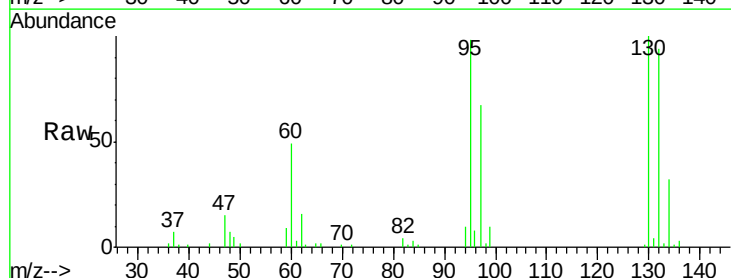
RT: 8.80 min Scan# 2186

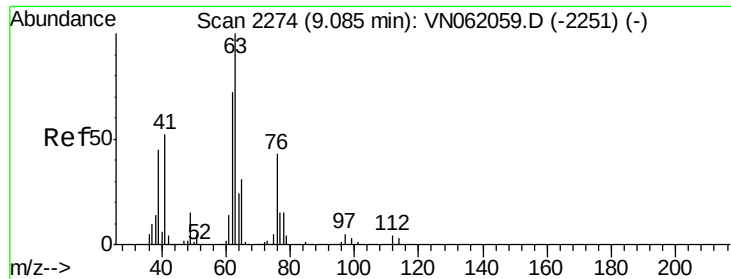
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	130	Resp:	55195
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	197.8





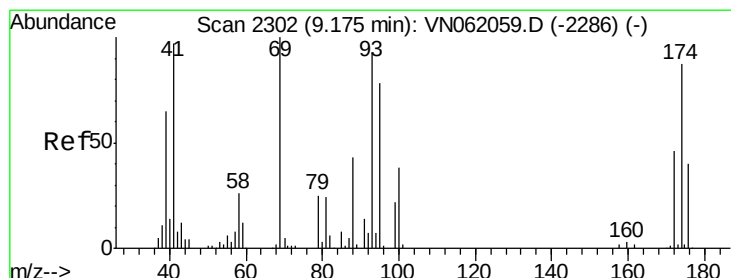
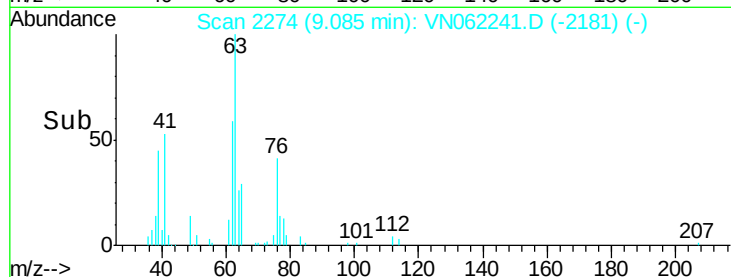
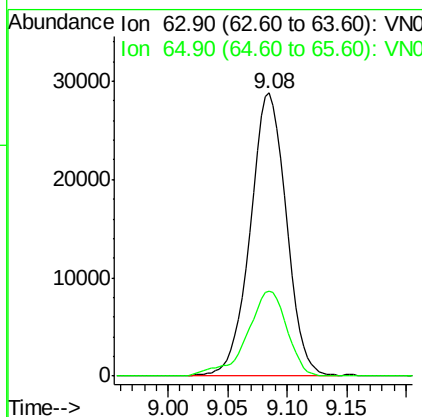
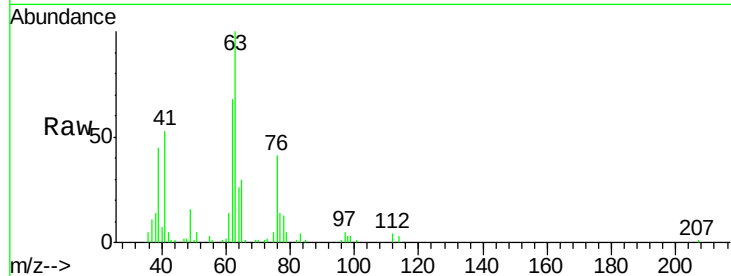
#45
 1,2-Dichloropropane
 Concen: 19.876 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Tot Ion: 63 Resp: 60599
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

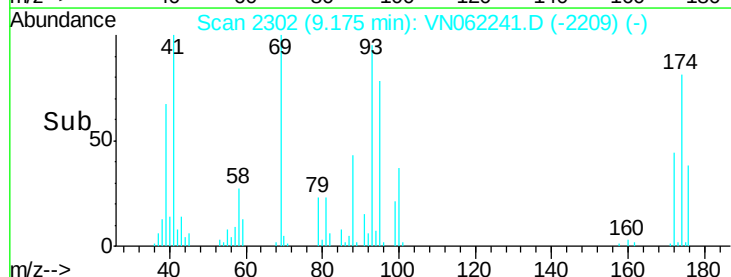
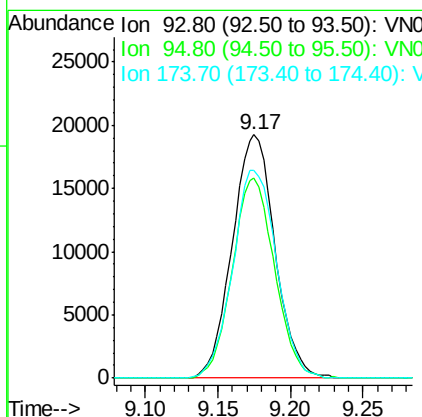
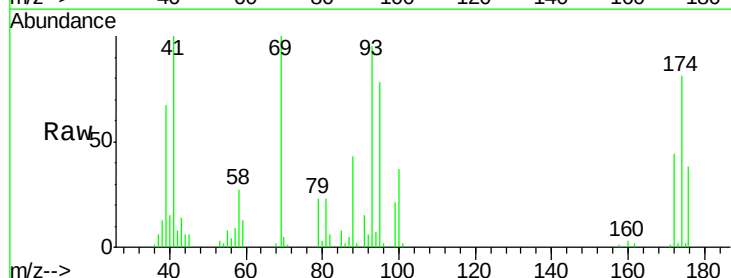
Manual Integrations
 APPROVED

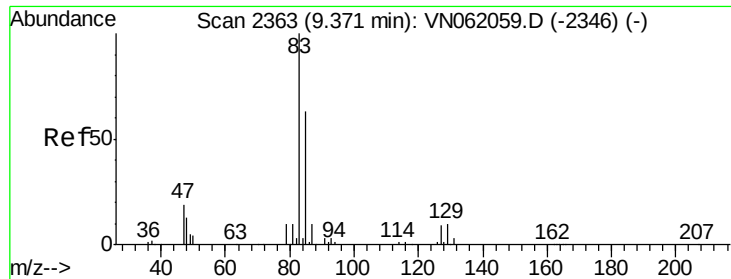
MMDadoda
 7/1/2020 10:16:33 AM



#46
 Dibromomethane
 Concen: 19.096 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 93 Resp: 39473
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.0 100.6
 174 87.4 74.4 111.6





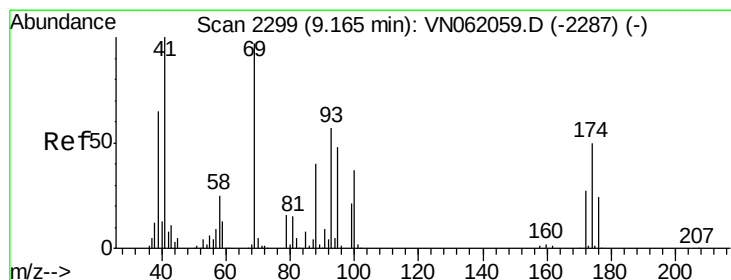
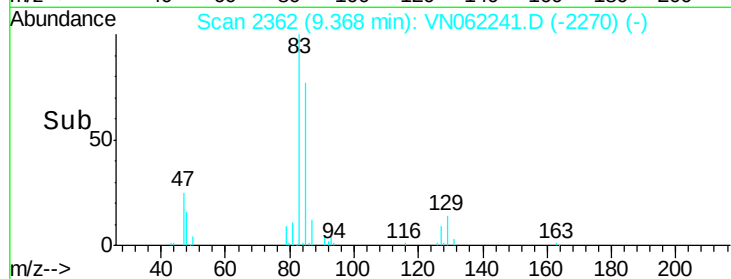
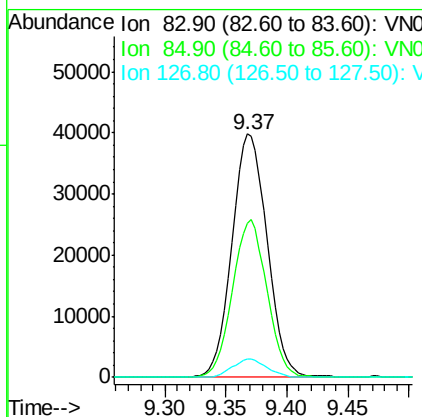
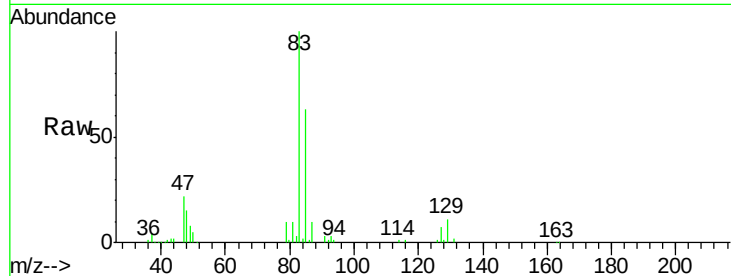
#47
Bromodichloromethane
Concen: 19.099 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.3	75.5
127	7.4	6.9	10.3

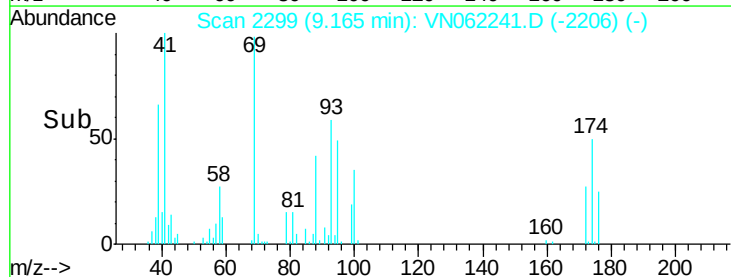
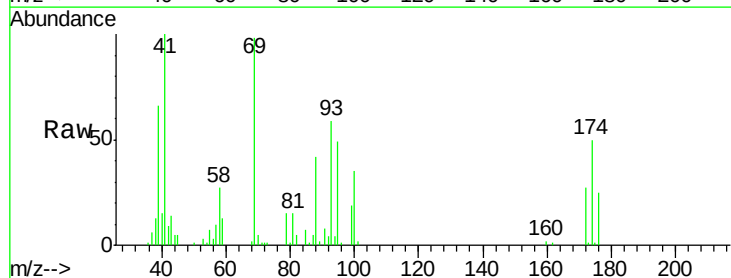
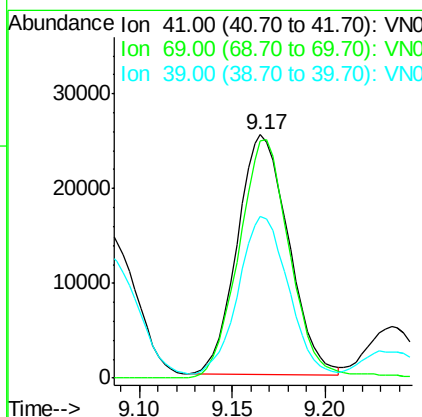
Manual Integrations
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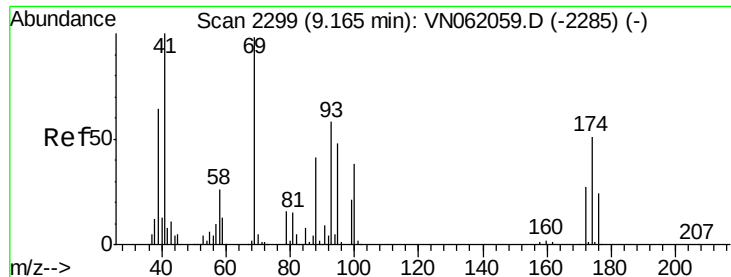
MMDadoda
7/1/2020 10:16:33 AM



#48
Methyl methacrylate
Concen: 19.819 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.3	80.7	121.1
39	65.7	54.5	81.7





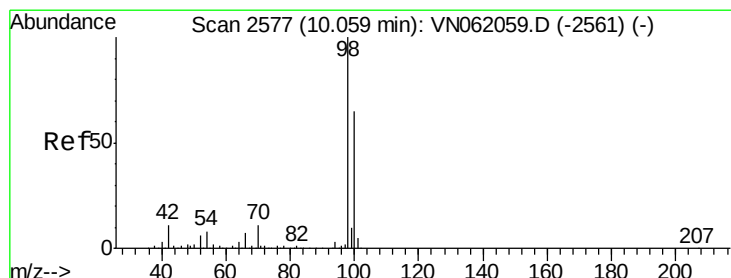
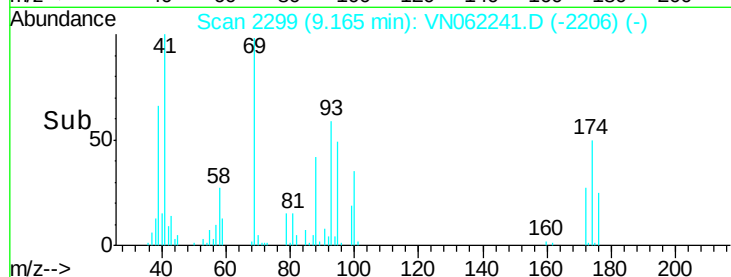
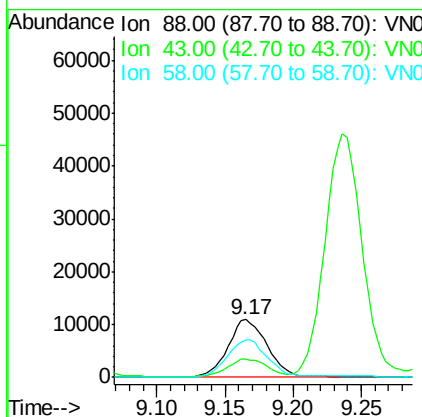
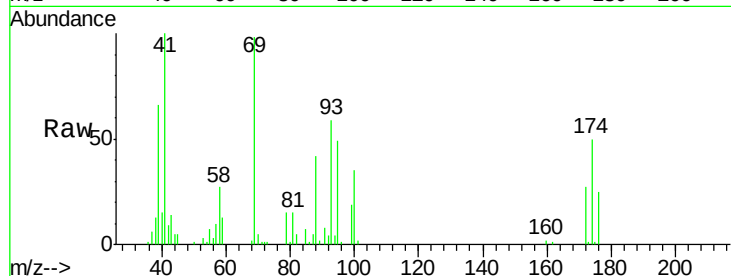
#49
1,4-Dioxane
Concen: 402.519 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	88	Resp	21905
Ion	Ratio	Lower	Upper
88	100		
43	33.0	22.0	33.0
58	67.0	49.2	73.8

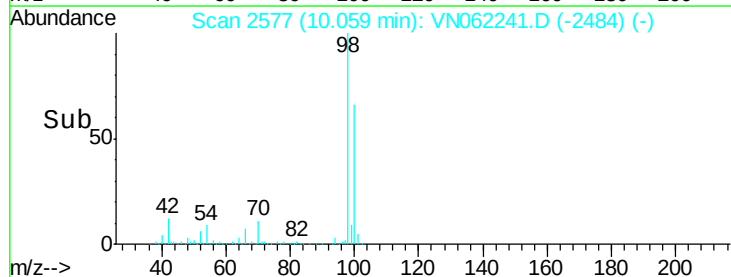
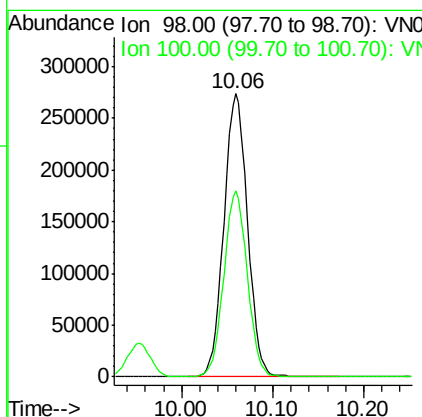
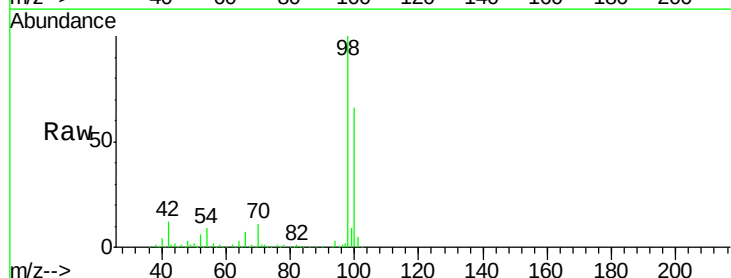
Manual Integrations
APPROVED

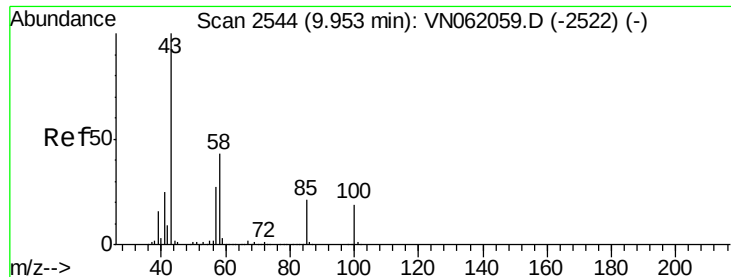
MMDadoda
7/1/2020 10:16:33 AM



#50
Toluene-d8
Concen: 47.838 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	98	Resp	494856
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.641 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

VN0630WBSD01

Tot Ion: 43 Resp: 341003

Ion Ratio Lower Upper

43 100

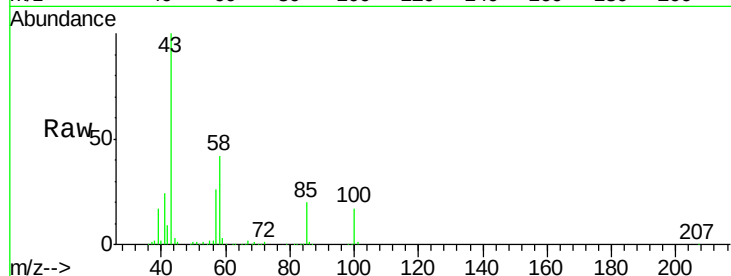
58 41.6 34.2 51.2

Manual Integrations

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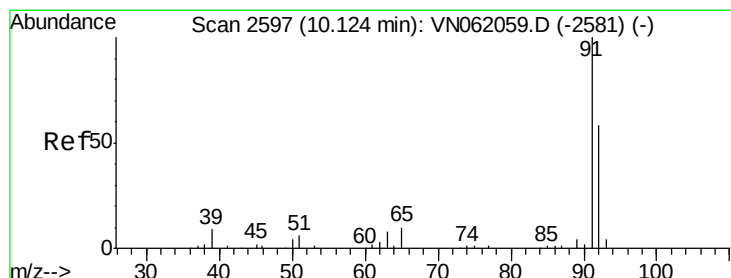
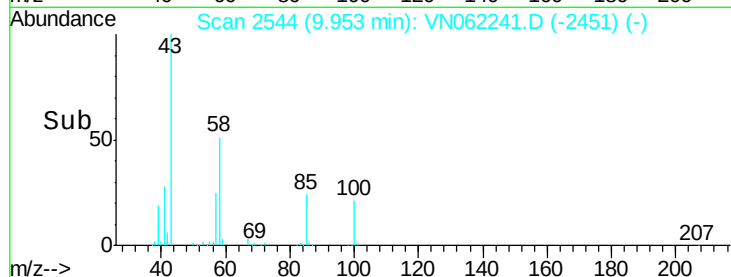
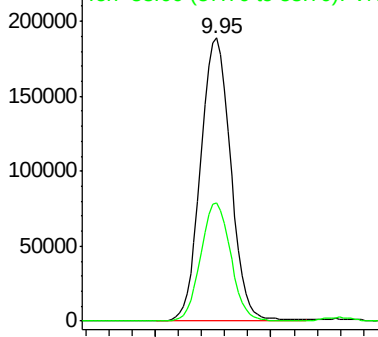
MMDadoda

7/1/2020 10:16:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.865 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062241.D

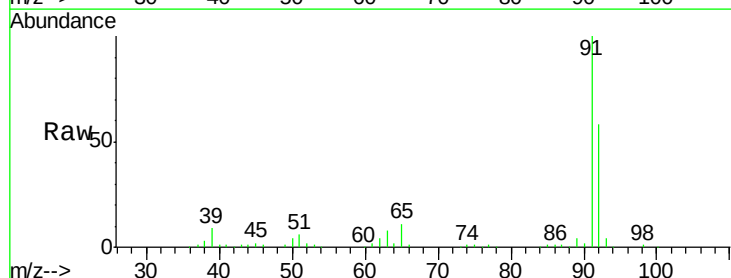
Acq: 30 Jun 2020 15:50

Tgt Ion: 92 Resp: 142248

Ion Ratio Lower Upper

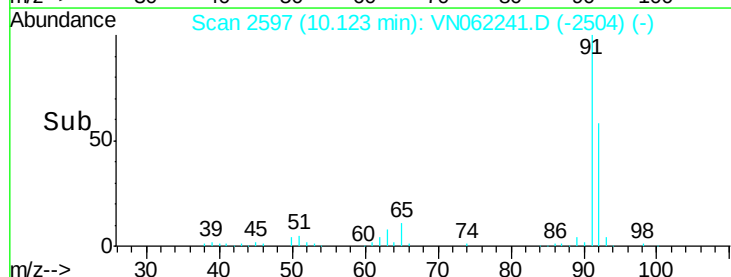
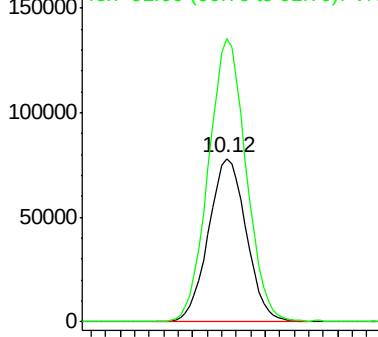
92 100

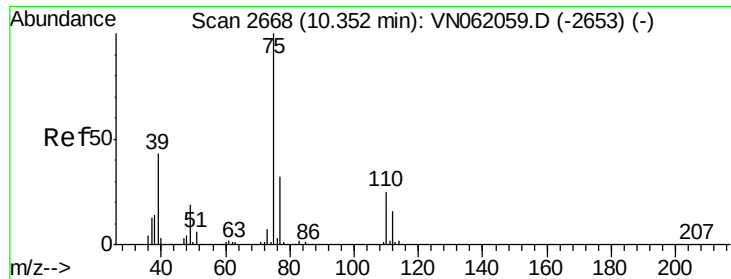
91 172.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





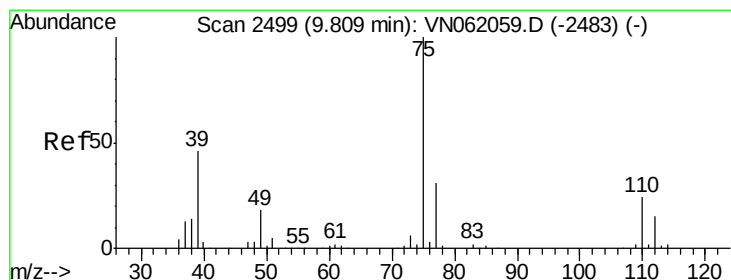
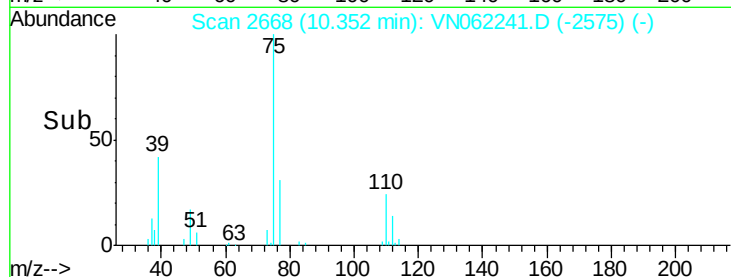
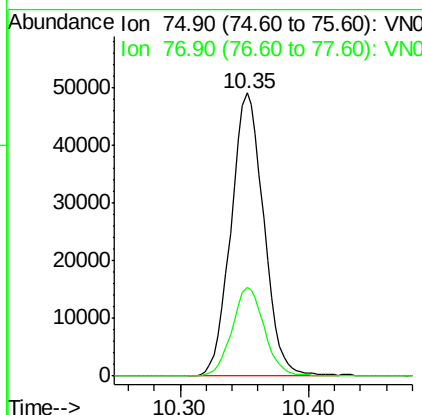
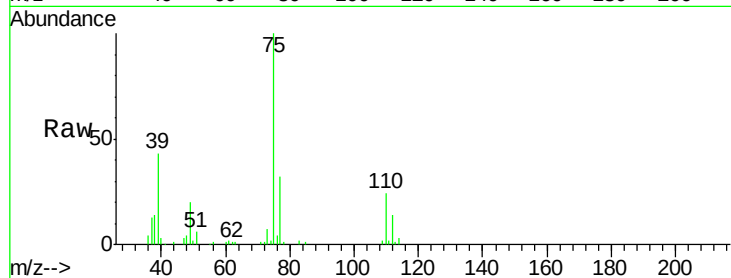
#53
t-1,3-Dichloropropene
Concen: 18.872 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion: 75 Resp: 86658
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3

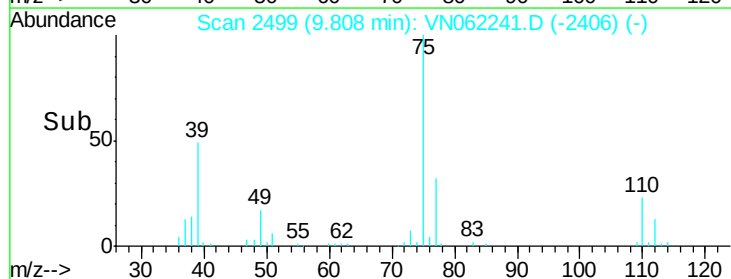
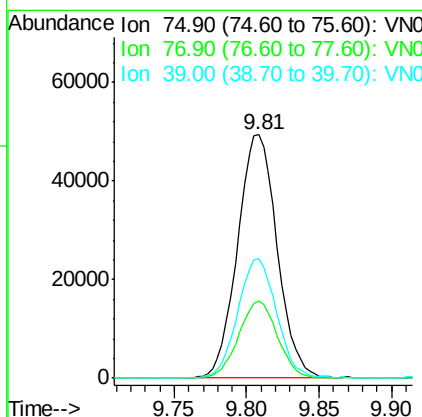
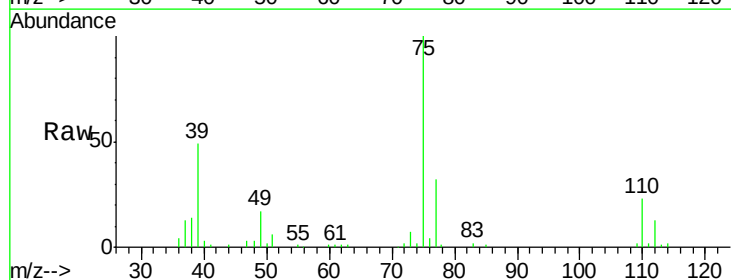
Manual Integrations
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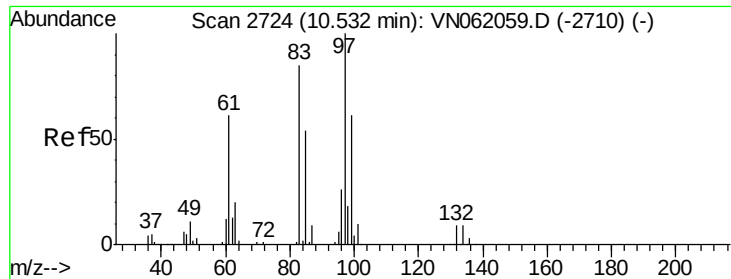
MMDadoda
7/1/2020 10:16:33 AM



#54
cis-1,3-Dichloropropene
Concen: 19.188 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 75 Resp: 93805
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 49.0 36.9 55.3





#55

1,1,2-Trichloroethane

Concen: 19.230 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

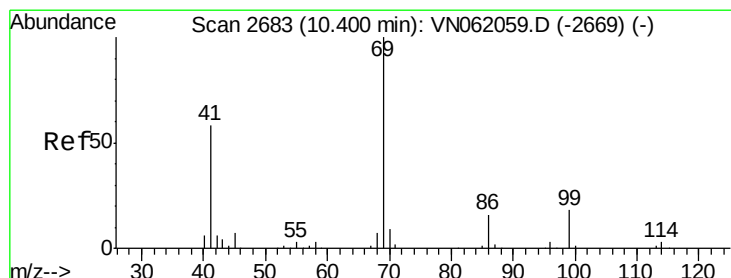
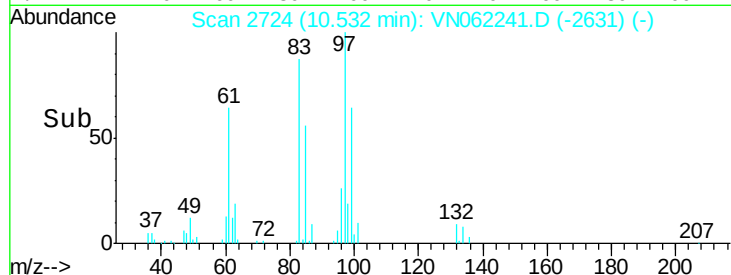
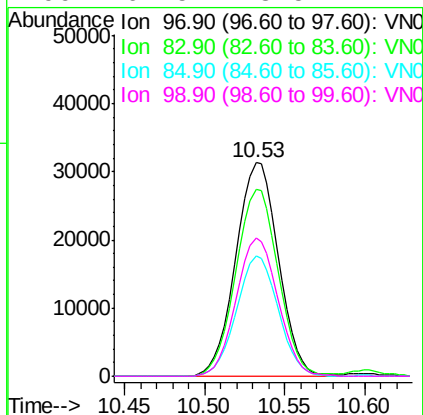
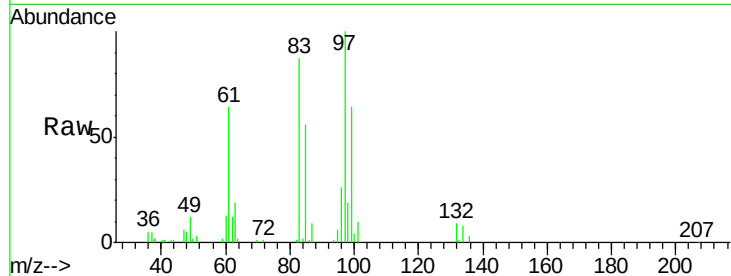
ClientSampleId :

VN0630WBSD01

Tot Ion:	97	Resp:	56997
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.2	102.2
85	56.4	43.2	64.8
99	64.5	48.5	72.7

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#56

Ethyl methacrylate

Concen: 20.161 ug/l

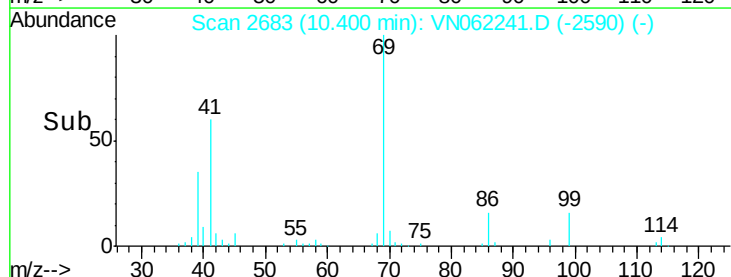
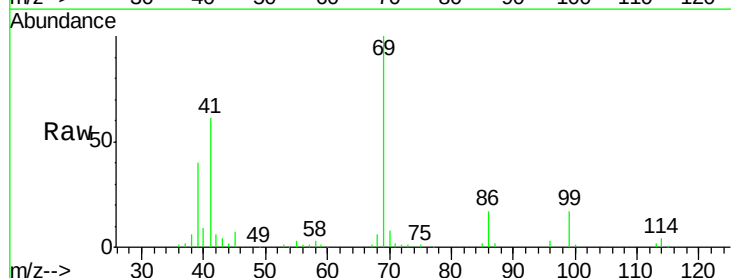
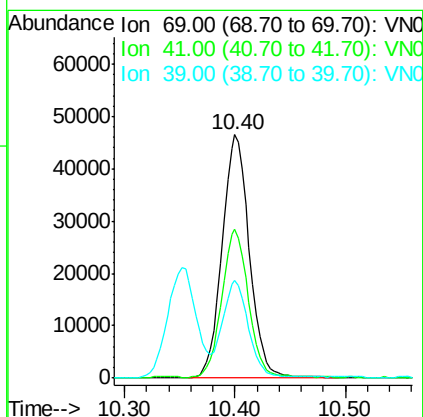
RT: 10.40 min Scan# 2683

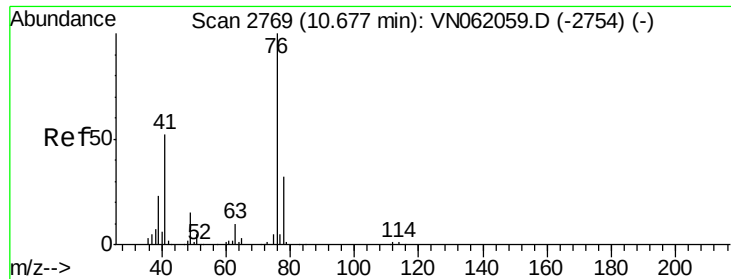
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	69	Resp:	79749
Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.6	70.0
39	37.2	31.0	46.4





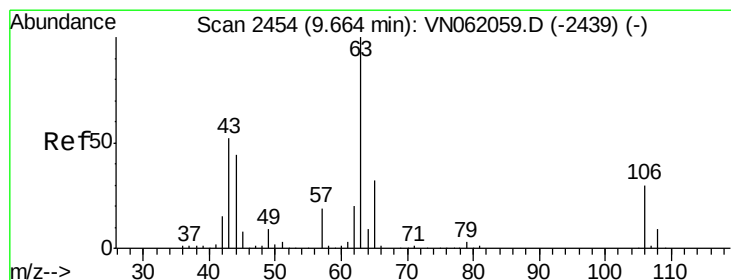
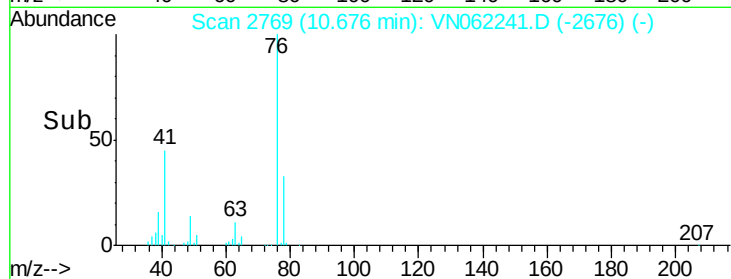
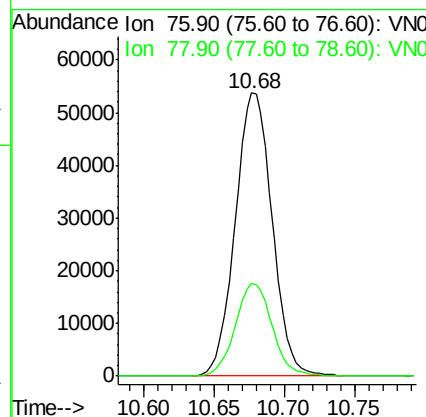
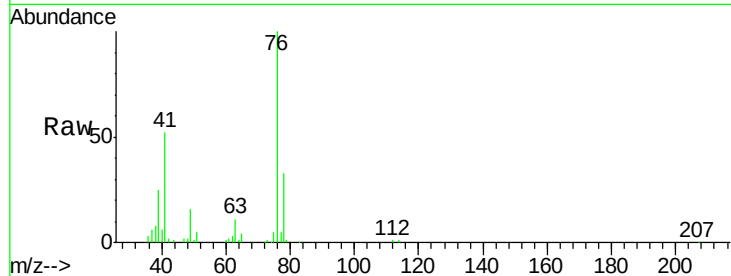
#57
 1,3-Dichloropropane
 Concen: 19.304 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion: 76 Resp: 98484
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

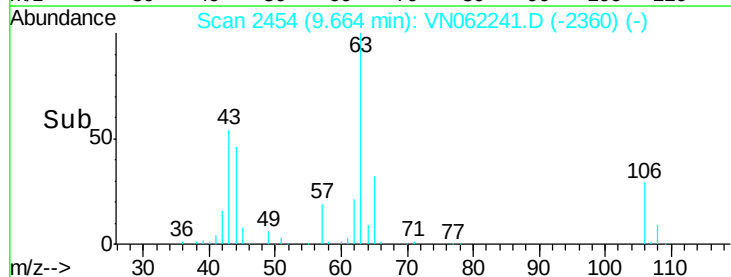
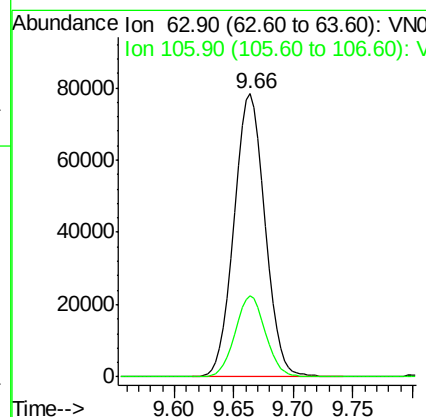
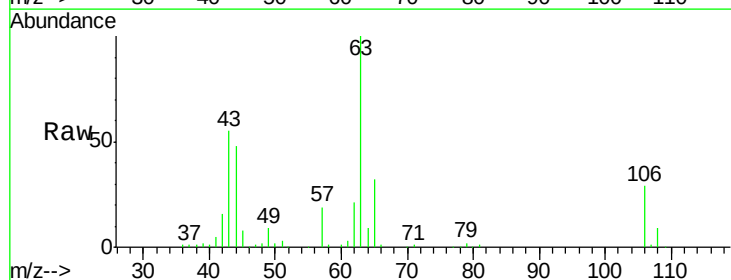
Manual Integrations
 APPROVED

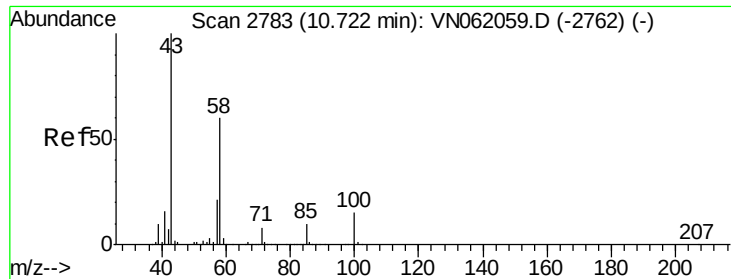
MMDadoda
 7/1/2020 10:16:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.770 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 63 Resp: 141607
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





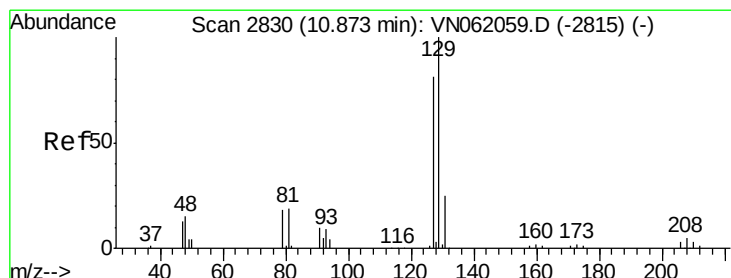
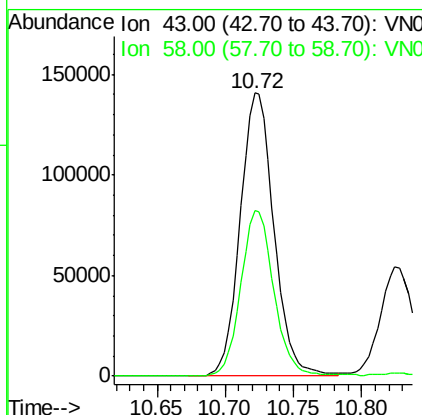
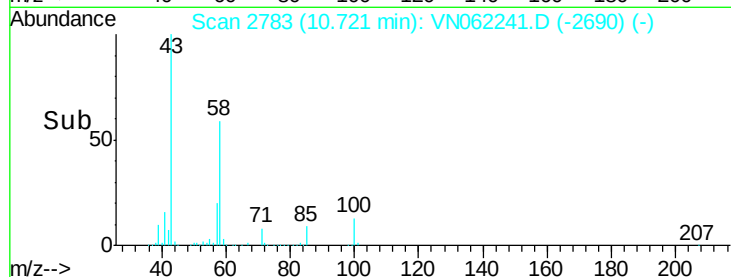
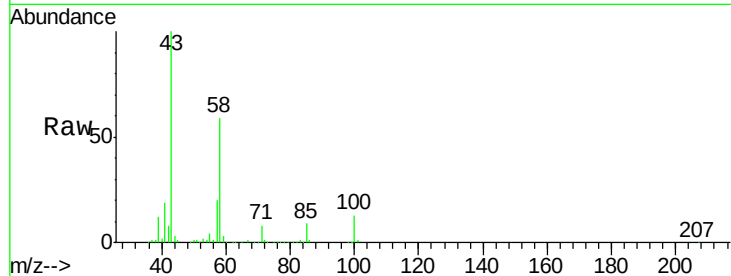
#59
2-Hexanone
Concen: 104.667 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	43	Resp	241681
Ion Ratio	100	Lower	Upper
43	100		
58	57.5	29.5	88.5

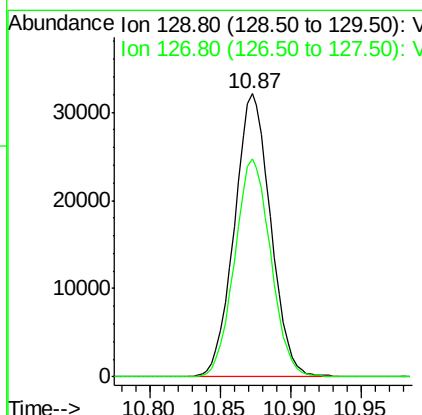
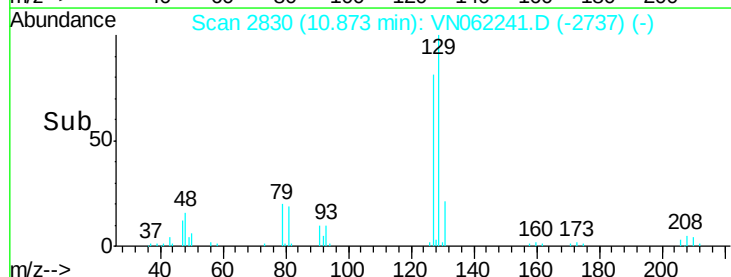
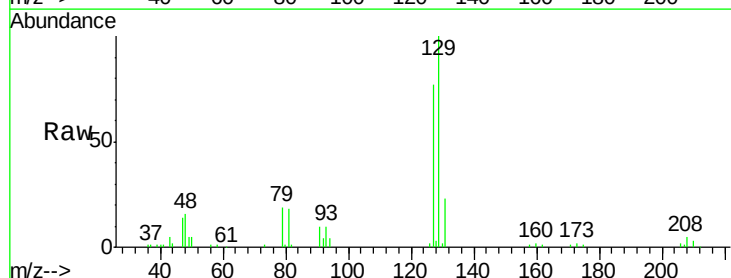
Manual Integrations
APPROVED

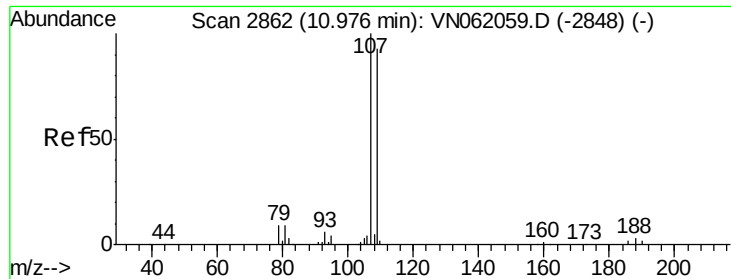
MMDadoda
7/1/2020 10:16:33 AM



#60
Dibromochloromethane
Concen: 18.400 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	129	Resp	57739
Ion Ratio	100	Lower	Upper
129	100		
127	76.7	39.5	118.5





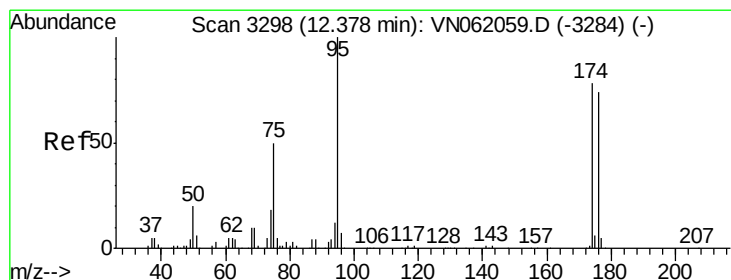
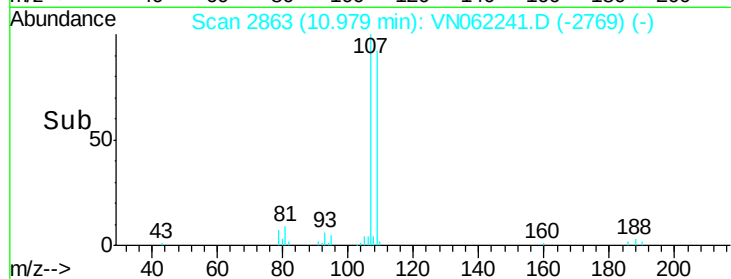
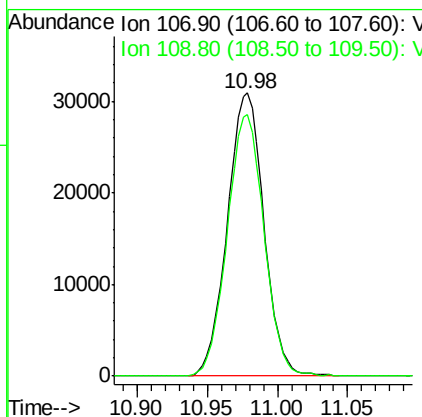
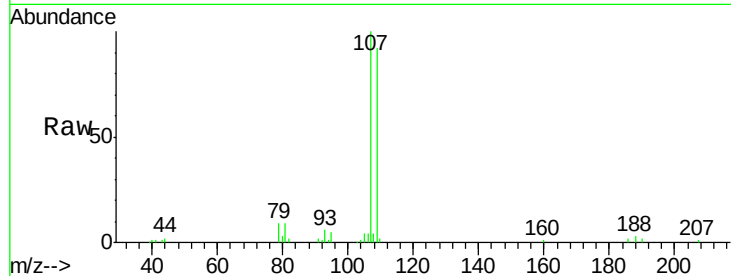
#61
 1,2-Dibromoethane
 Concen: 18.419 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

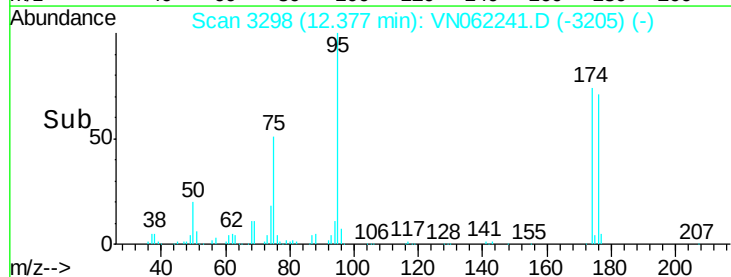
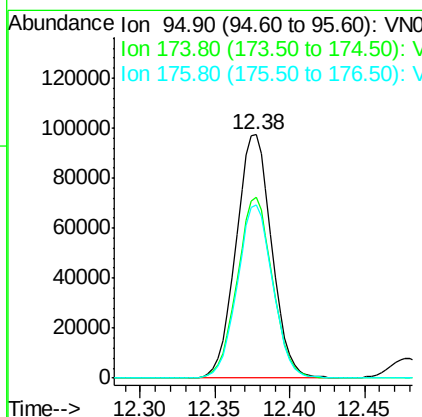
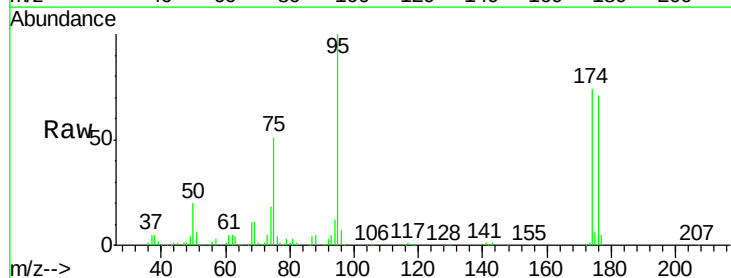
Manual Integrations
 APPROVED

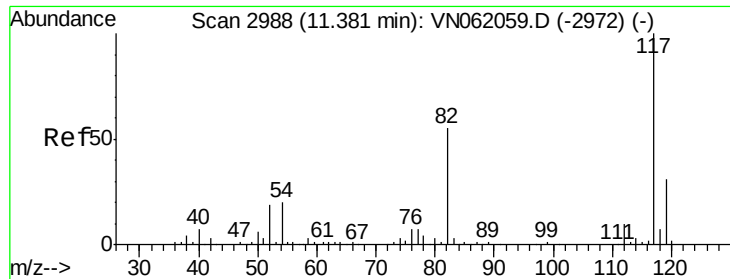
MMDadoda
 7/1/2020 10:16:33 AM



#62
 4-Bromofluorobenzene
 Concen: 46.368 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	154.8
176	70.5	0.0	147.4





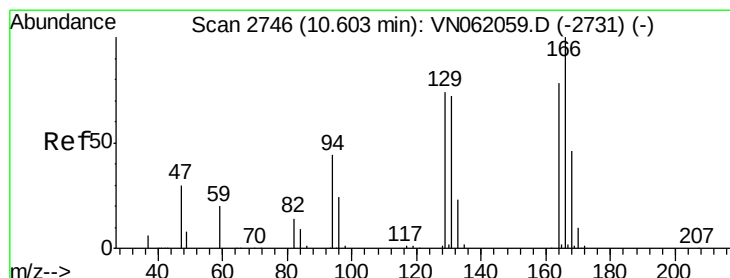
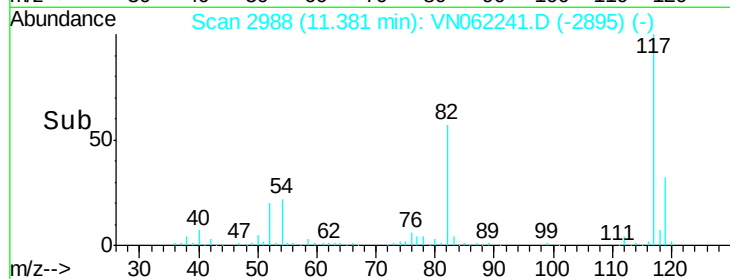
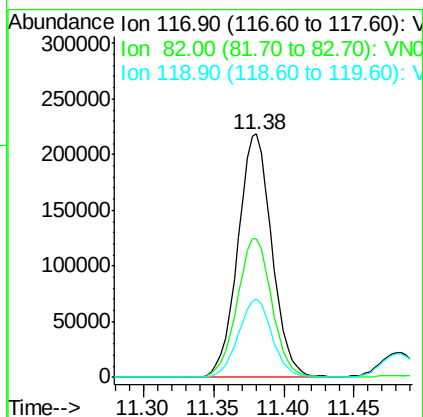
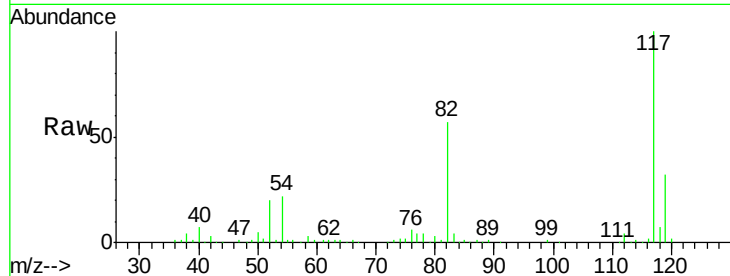
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.8	65.8
119	32.2	25.2	37.8

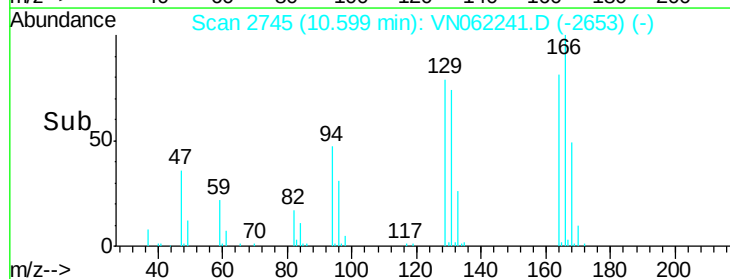
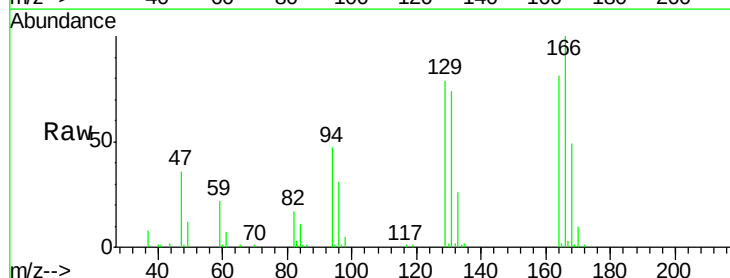
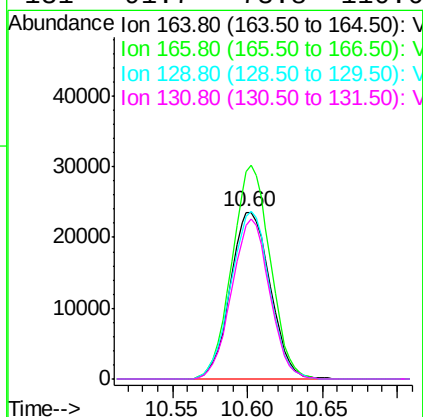
Manual Integrations
APPROVED

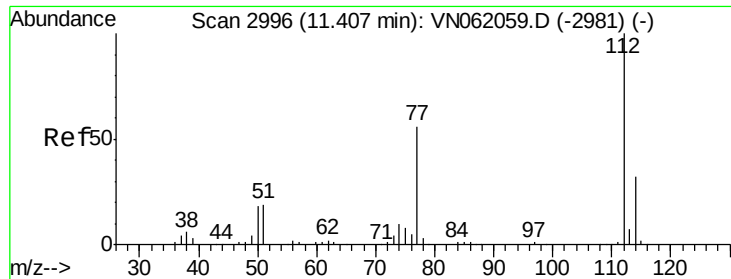
MMDadoda
7/1/2020 10:16:33 AM



#64
Tetrachloroethene
Concen: 17.282 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.9	154.3
129	97.5	75.8	113.8
131	91.7	73.8	110.6





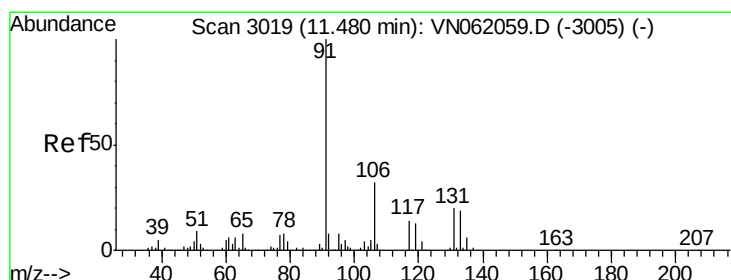
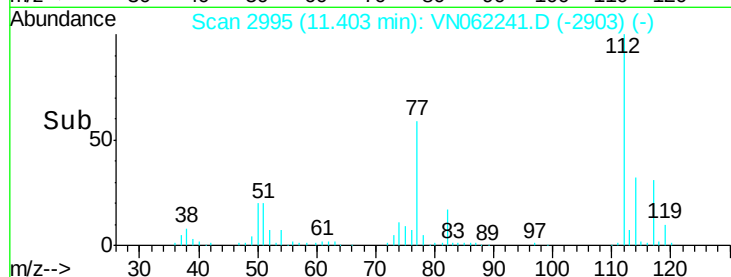
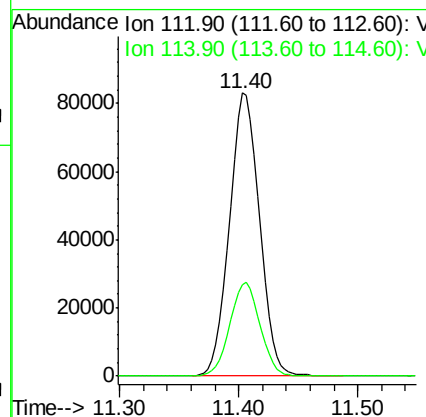
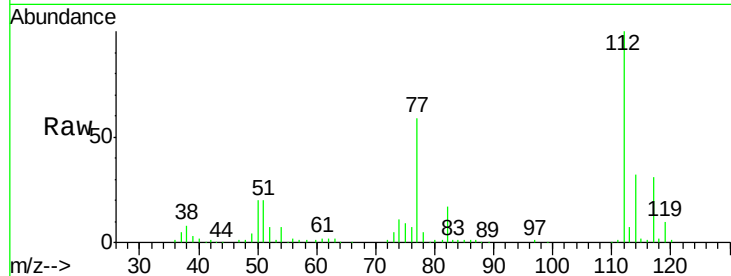
#65
Chlorobenzene
Concen: 17.946 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion:112 Resp: 145600
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

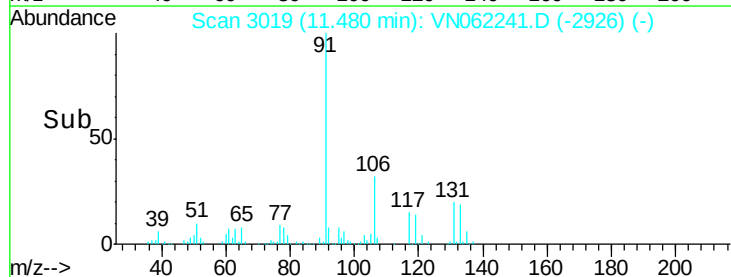
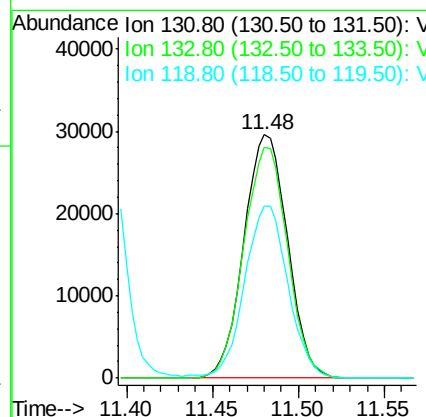
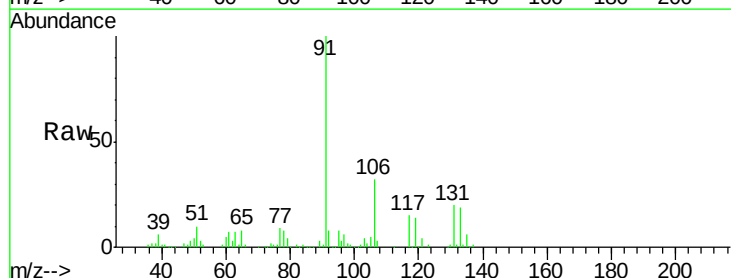
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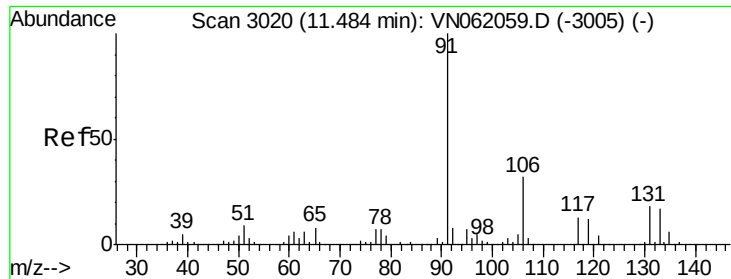
MMDadoda
7/1/2020 10:16:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.659 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion:131 Resp: 52346
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 70.0 34.4 103.3





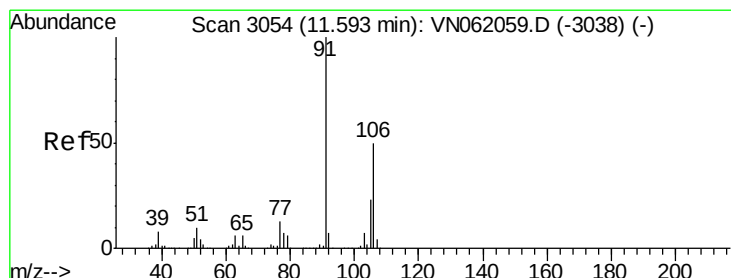
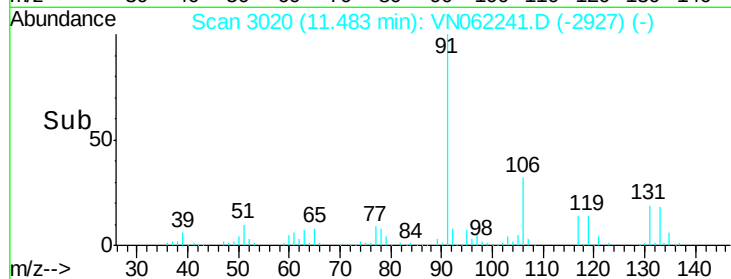
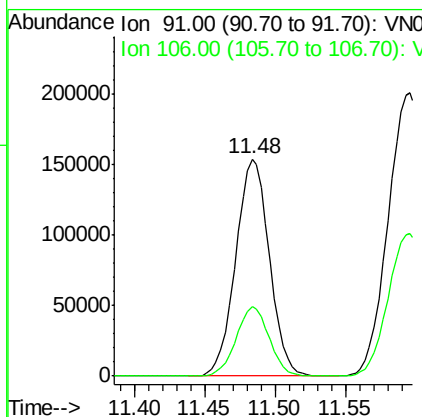
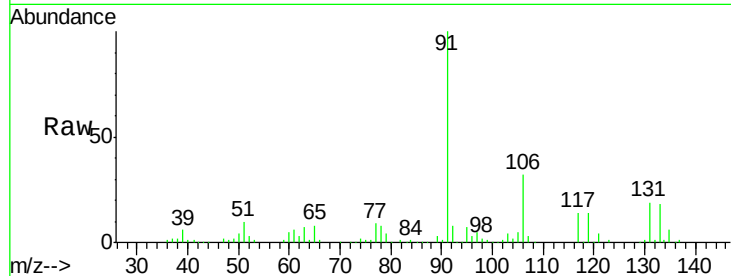
#67
Ethyl Benzene
Concen: 18.764 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion: 91 Resp: 257099
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

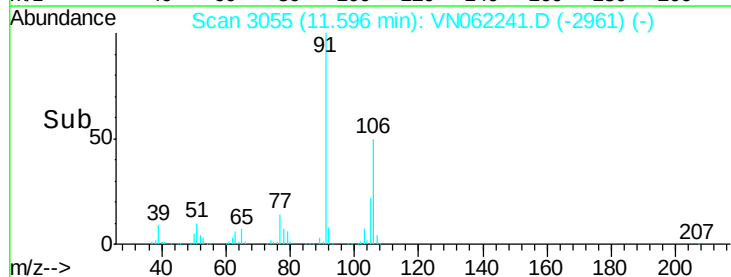
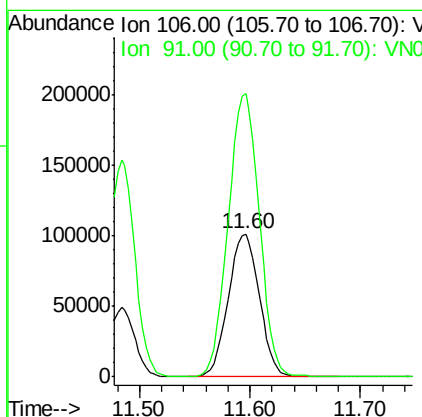
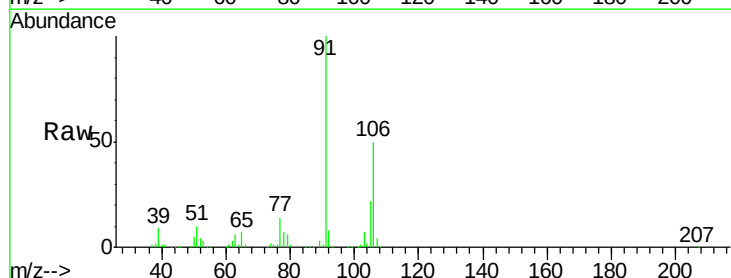
Manual Integrations
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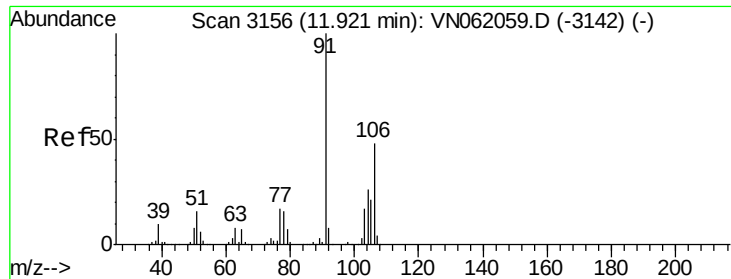
MMDadoda
7/1/2020 10:16:33 AM



#68
m/p-Xylenes
Concen: 37.377 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 106 Resp: 198086
Ion Ratio Lower Upper
106 100
91 197.5 157.8 236.8





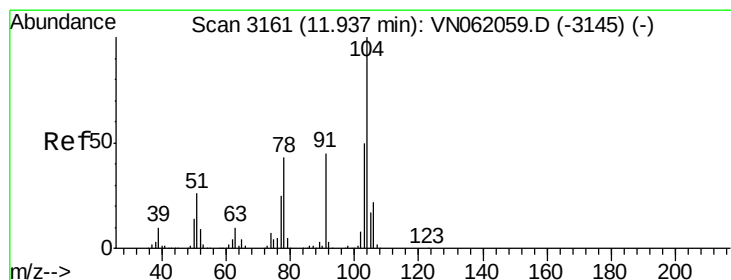
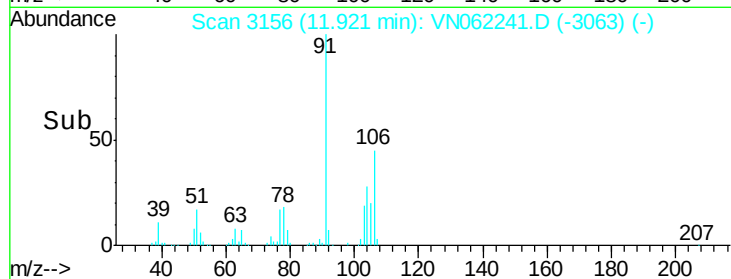
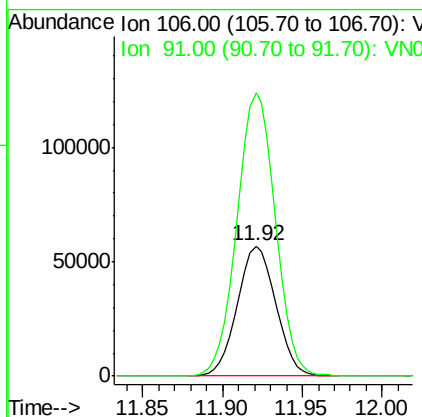
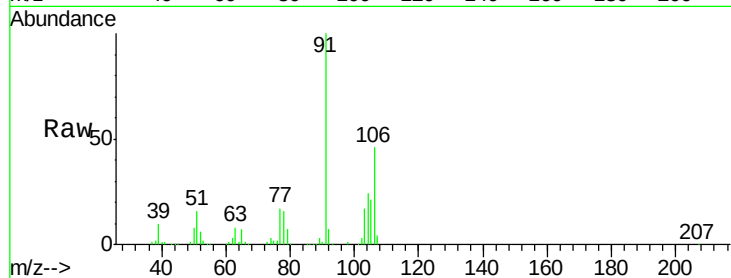
#69
o-Xylene
Concen: 18.652 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		93268		
91	216.9	104.0	311.9		

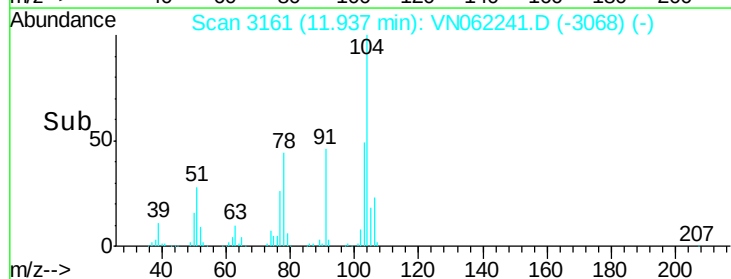
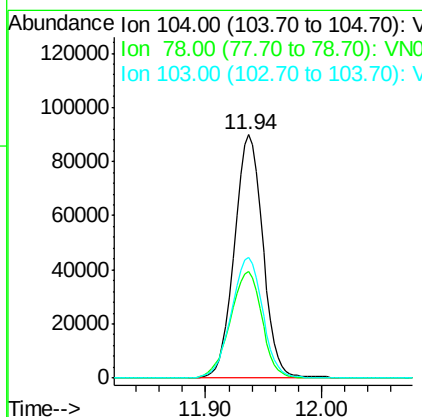
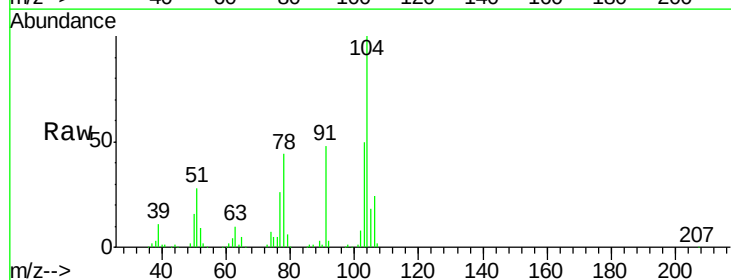
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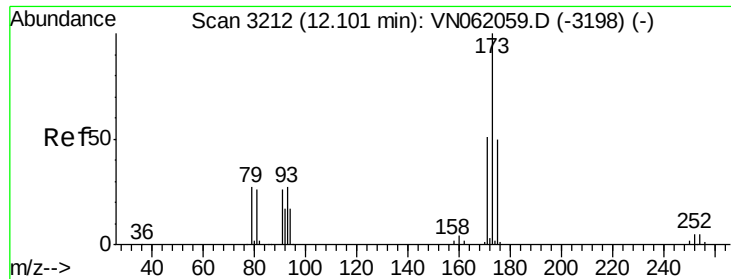
MMDadoda
7/1/2020 10:16:33 AM



#70
Styrene
Concen: 18.336 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		152909		
78	48.6	37.7	56.5		
103	54.7	43.0	64.6		





#71

Bromoform

Concen: 18.162 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

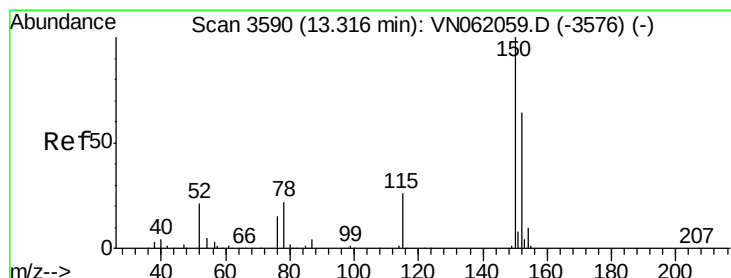
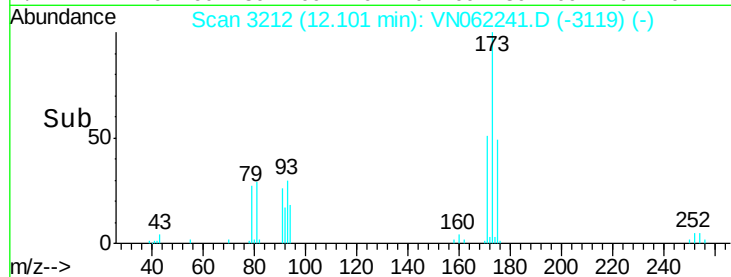
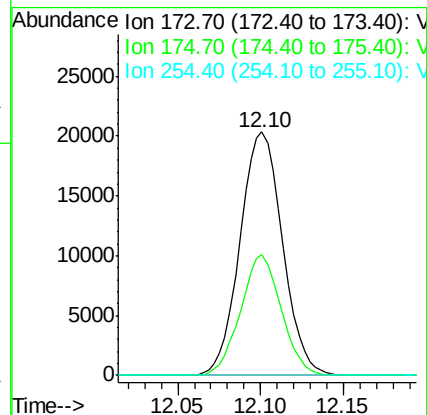
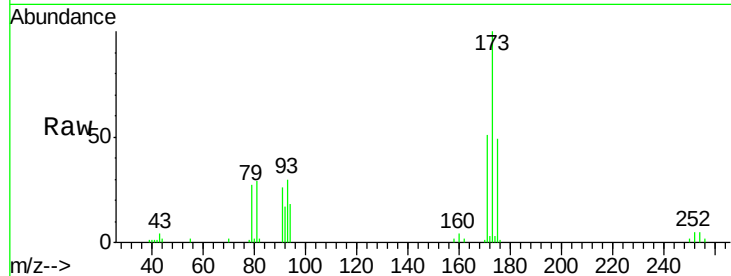
ClientSampled :

VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

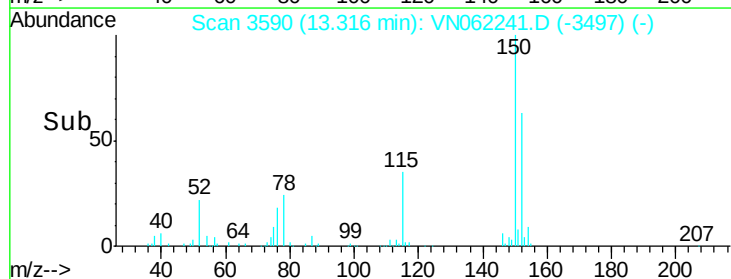
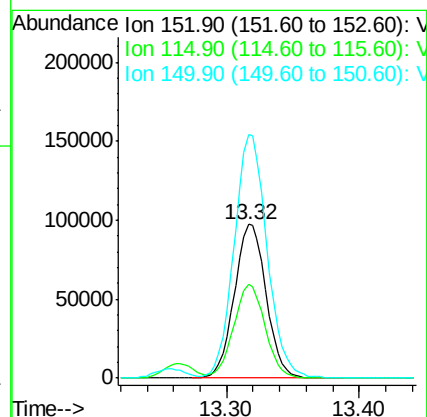
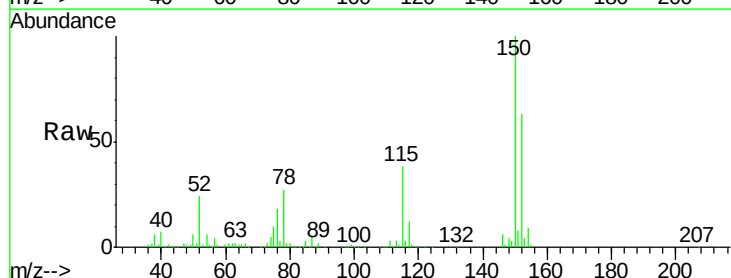
RT: 13.32 min Scan# 3590

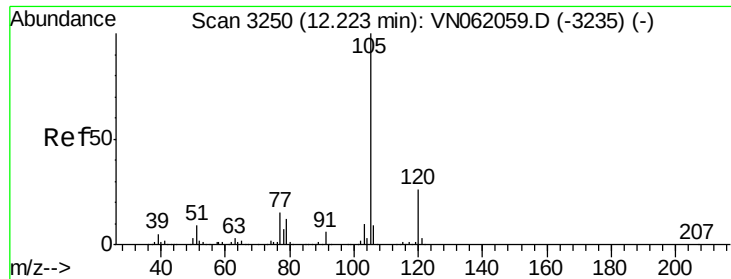
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	29.5	88.5
150	164.7	0.0	351.4





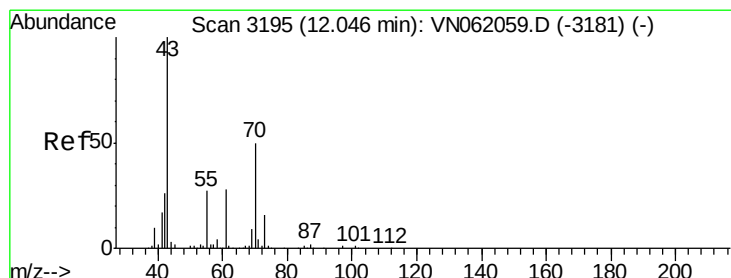
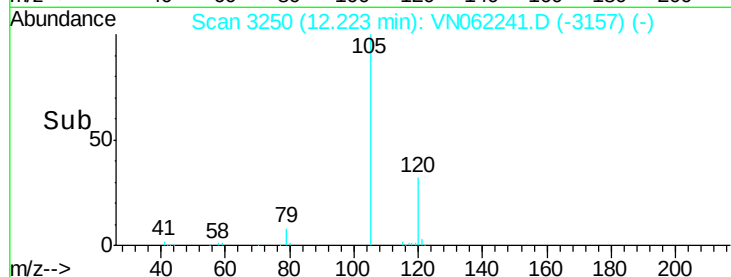
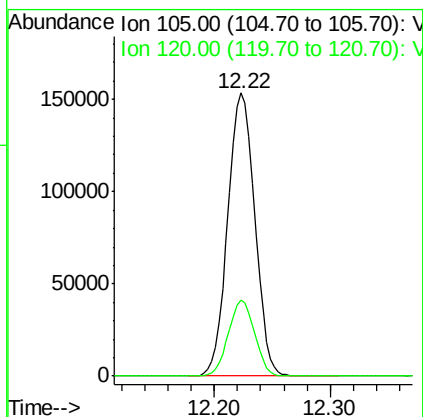
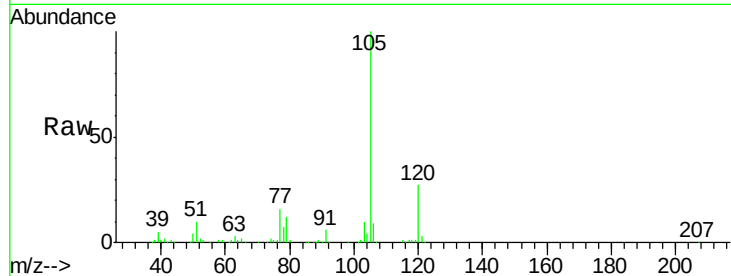
#73
Isopropylbenzene
Concen: 19.753 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

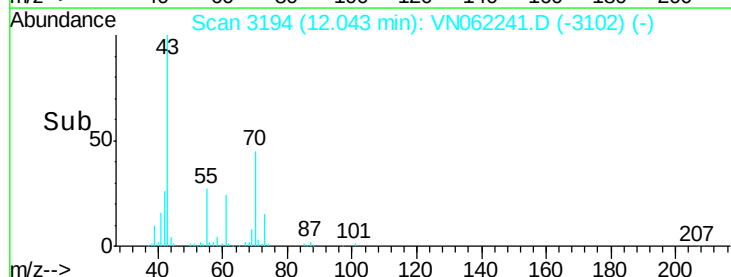
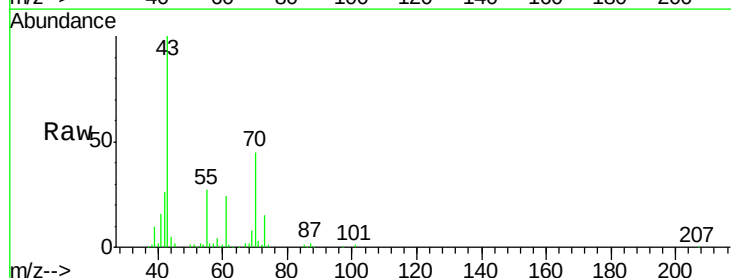
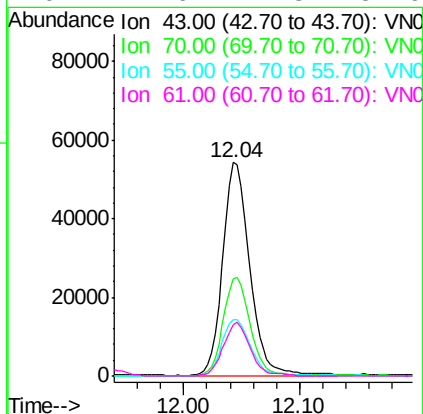
Manual Integrations
APPROVED

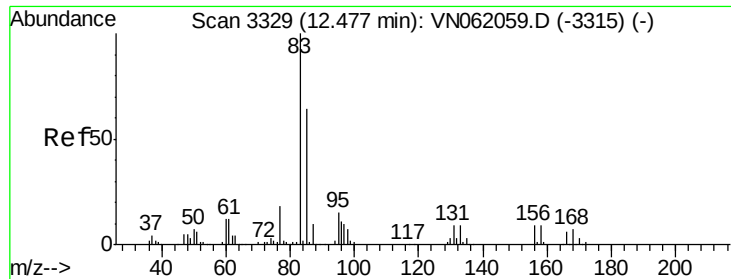
MMDadoda
7/1/2020 10:16:33 AM



#74
N-ethyl acetate
Concen: 21.251 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.0	39.4	59.2
55	27.5	21.7	32.5
61	24.6	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.543 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

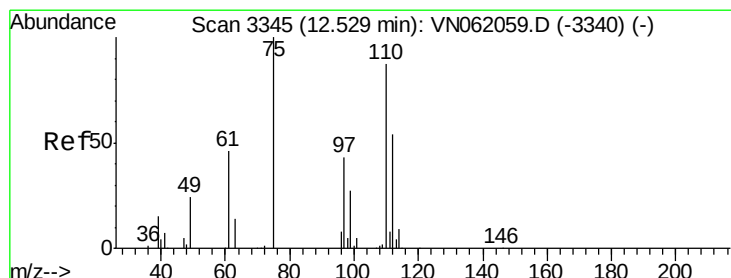
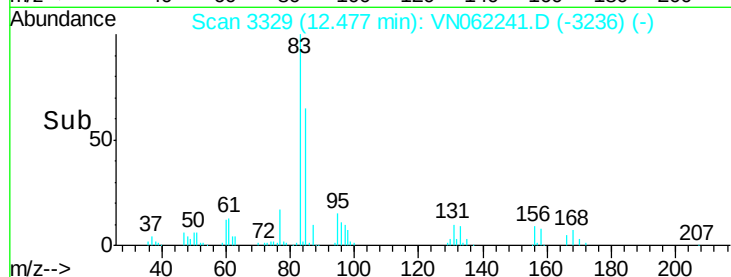
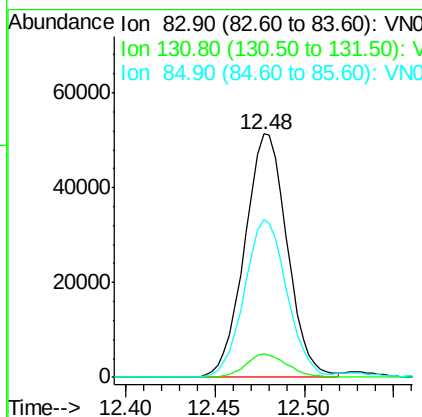
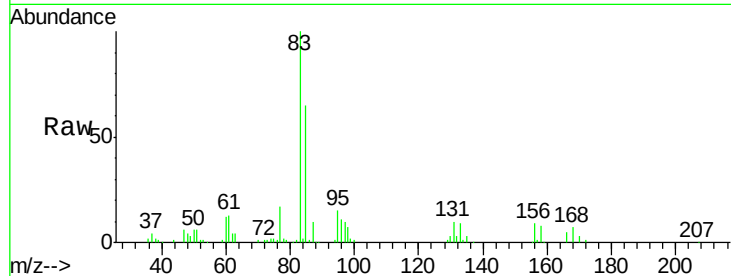
ClientSampled :

VN0630WBSD01

Tot Ion:	83	Resp:	85748
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.4
85	64.5	32.4	97.0

Manual Integrations
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MMDadoda
7/1/2020 10:16:33 AM



#76

1,2,3-Trichloropropane

Concen: 19.860 ug/l m

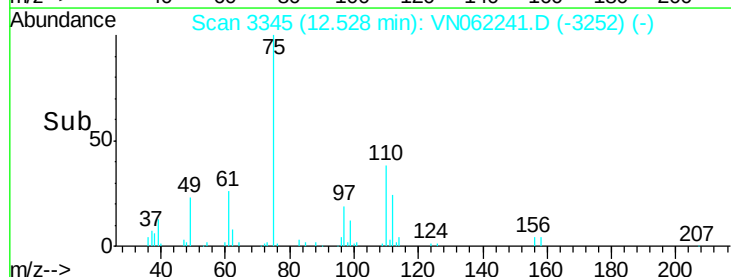
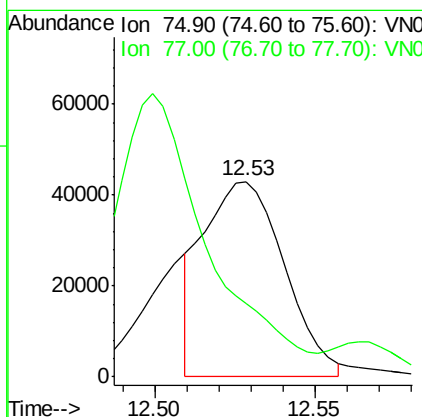
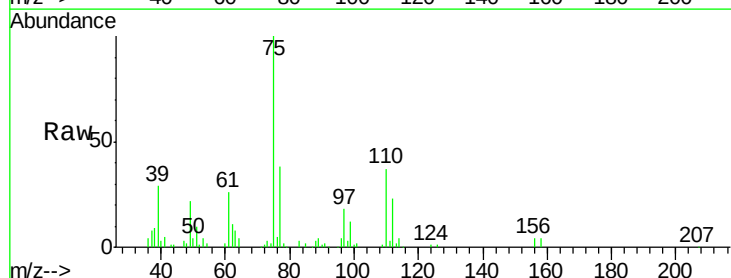
RT: 12.53 min Scan# 3345

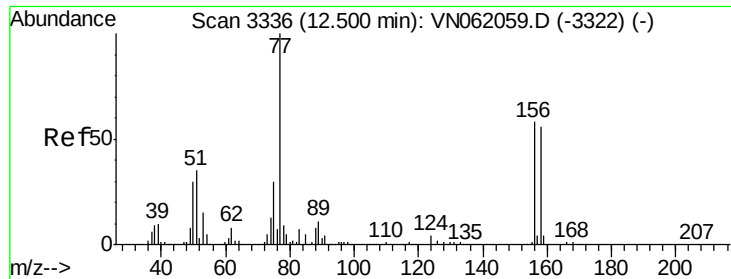
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion:	75	Resp:	75759
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.496 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

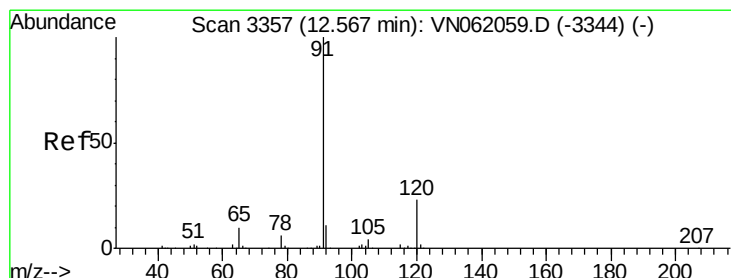
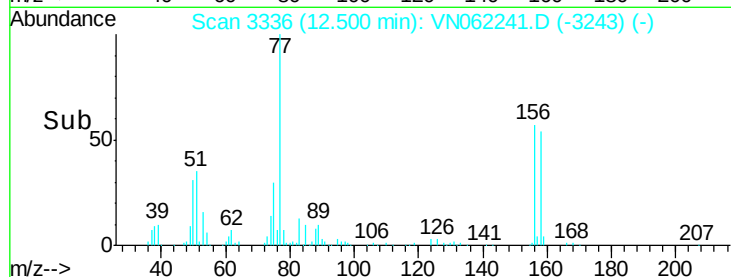
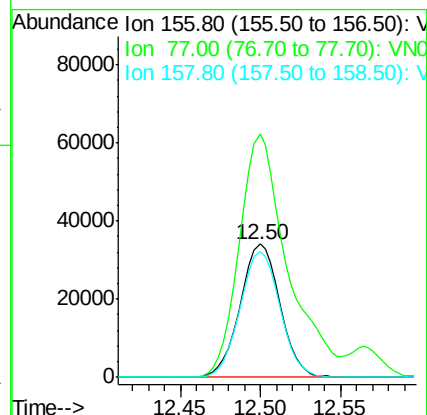
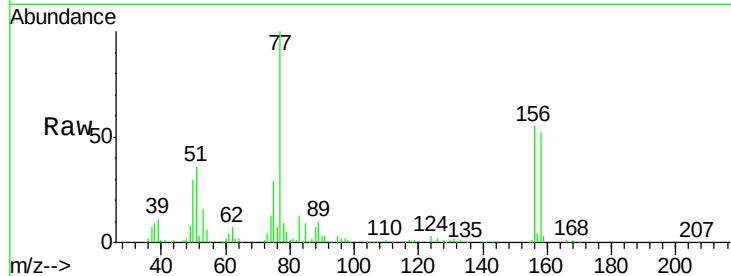
ClientSampled :

VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.7	104.6	313.8
158	95.3	48.0	144.0

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#78

n-propylbenzene

Concen: 20.115 ug/l

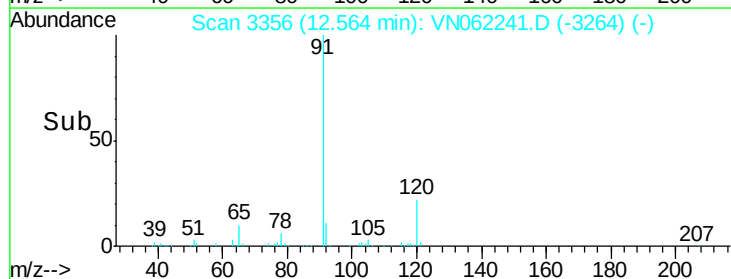
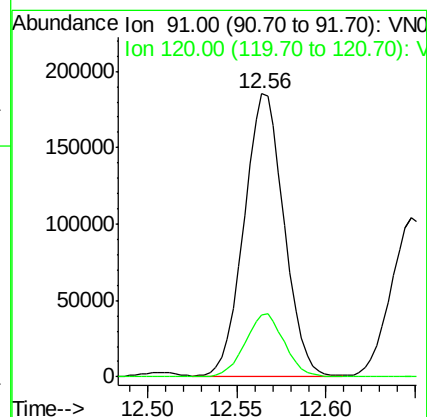
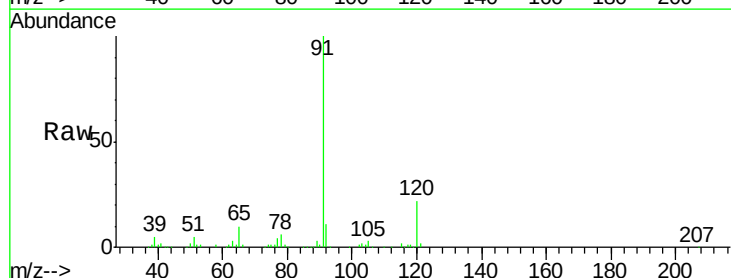
RT: 12.56 min Scan# 3356

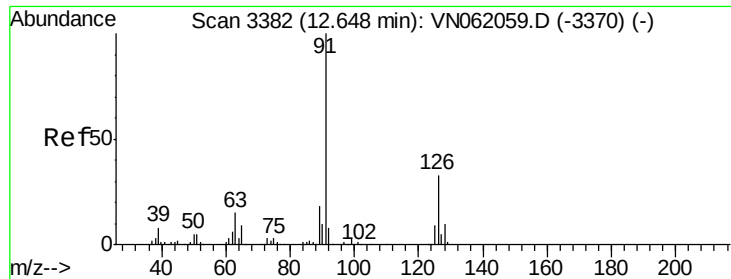
Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.4	34.1





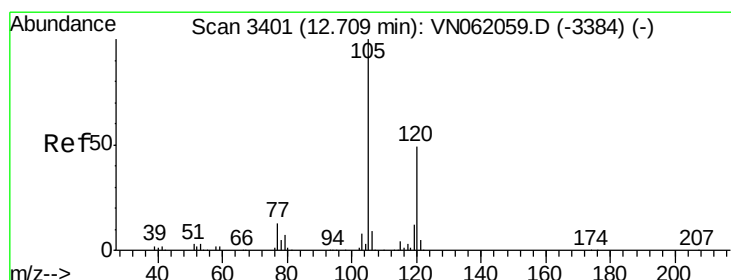
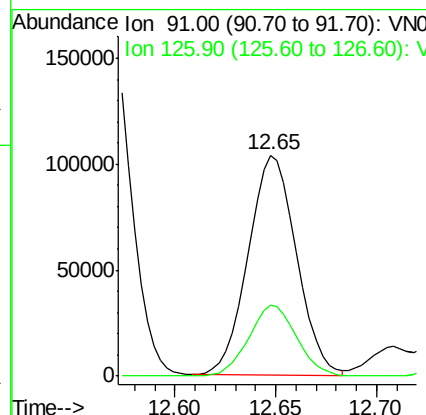
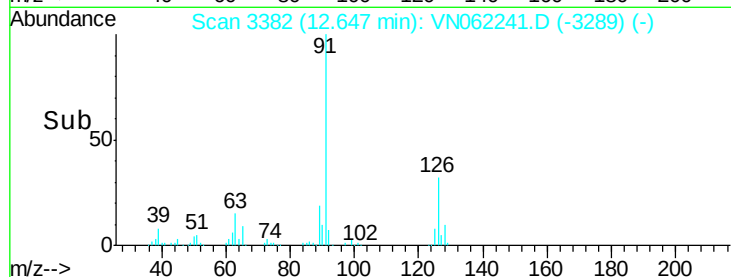
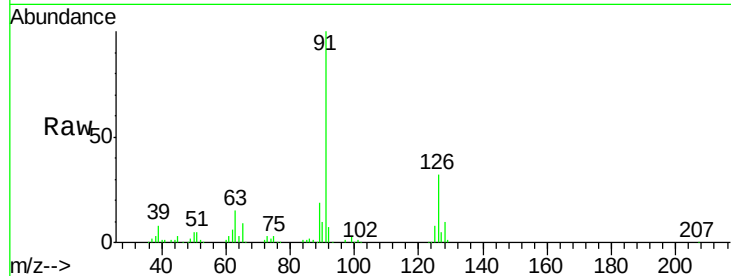
#79
 2-Chlorotoluene
 Concen: 19.992 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion: 91 Resp: 173408
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.9 50.7

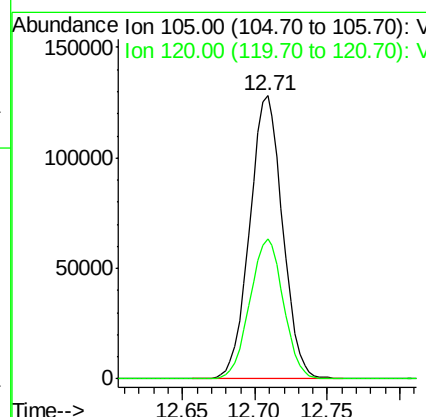
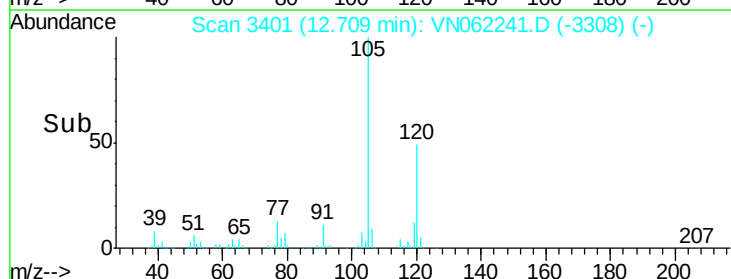
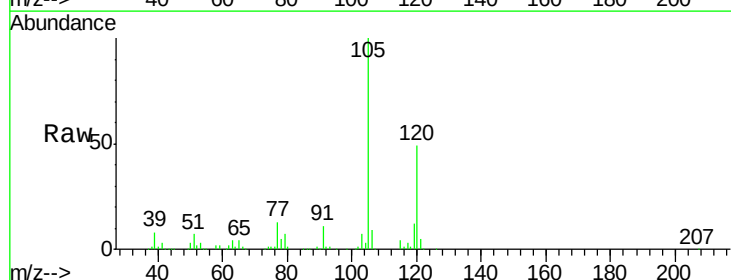
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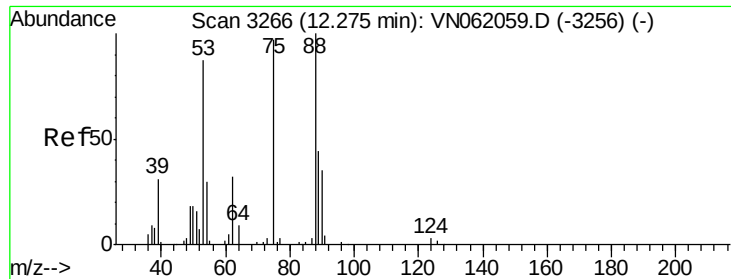
MMDadoda
 7/1/2020 10:16:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.928 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 105 Resp: 202632
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.376 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

Tot Ion: 75 Resp: 25309

Ion Ratio Lower Upper

75 100

53 99.6 72.0 108.0

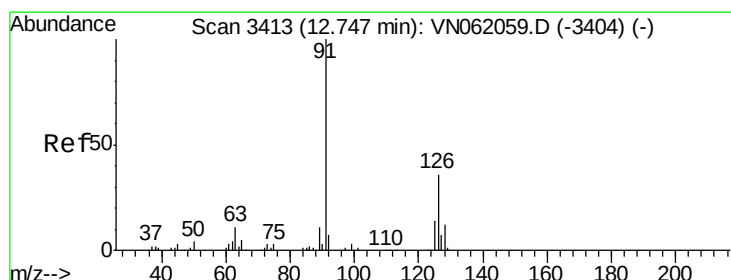
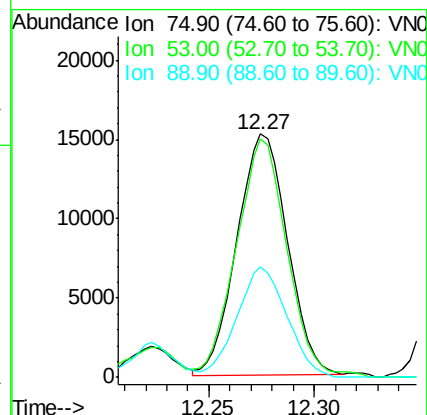
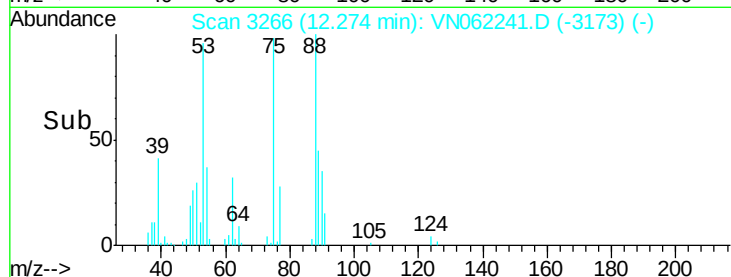
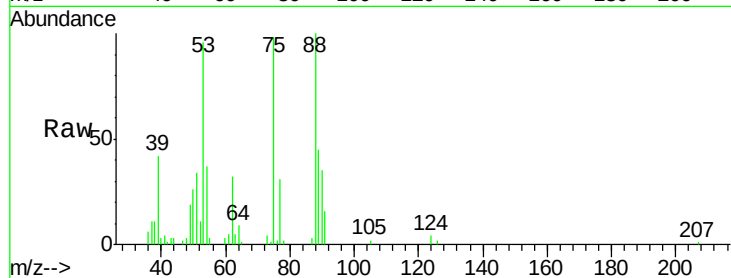
89 45.3 36.9 55.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.870 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062241.D

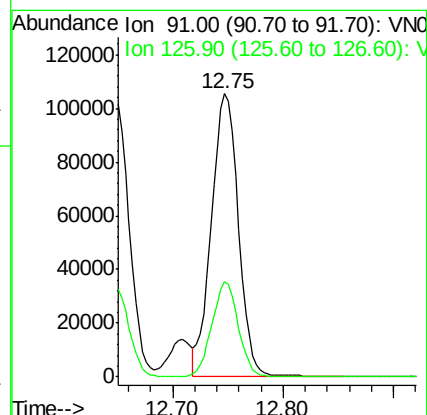
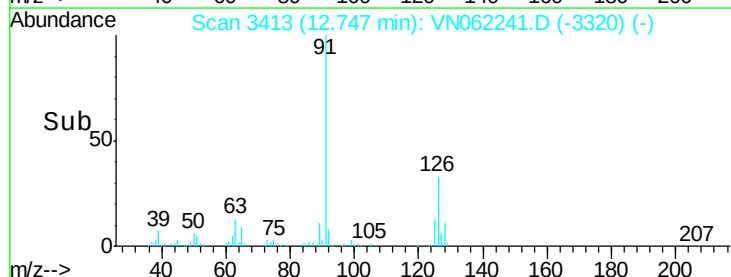
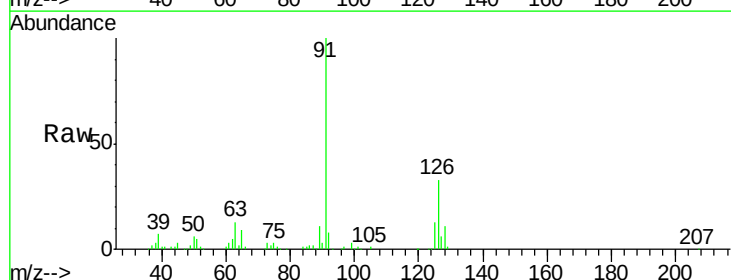
Acq: 30 Jun 2020 15:50

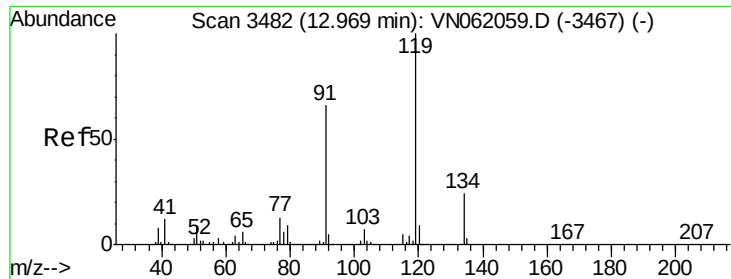
Tgt Ion: 91 Resp: 178224

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1





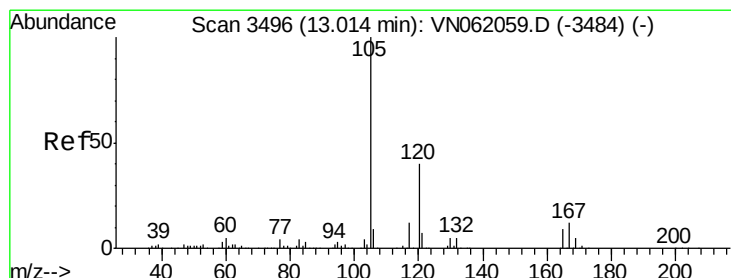
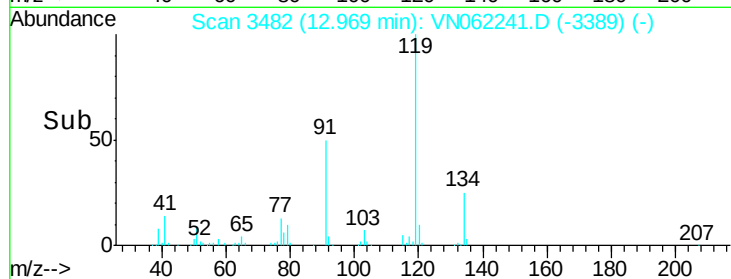
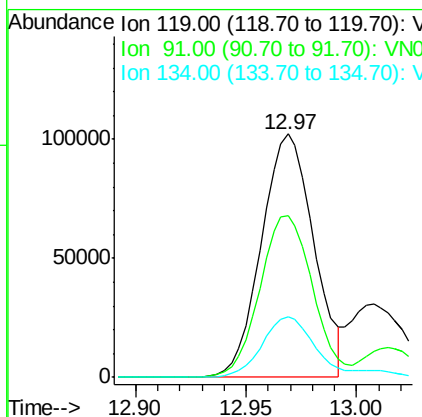
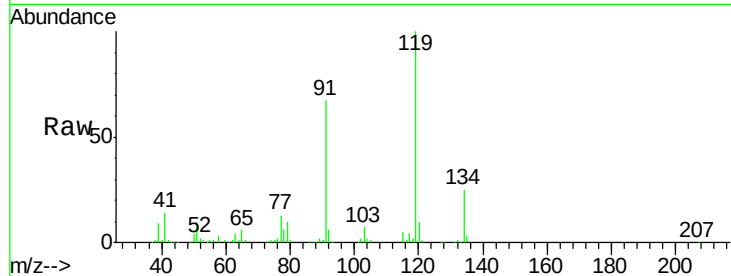
#83
 tert-Butylbenzene
 Concen: 19.350 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168385		
91	67.2		31.7	95.1
134	25.0		13.1	39.1

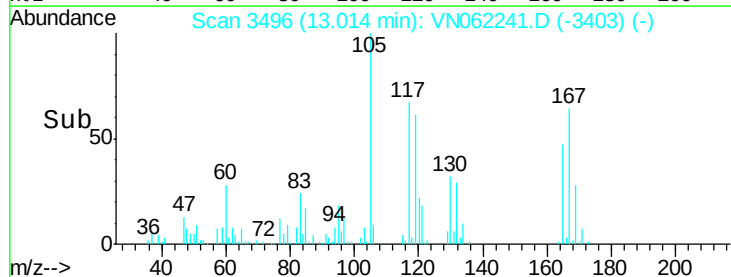
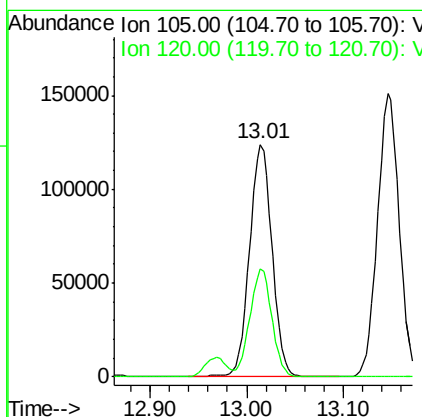
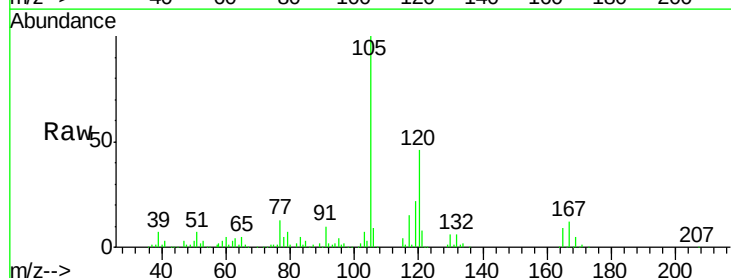
Manual Integrations
 APPROVED

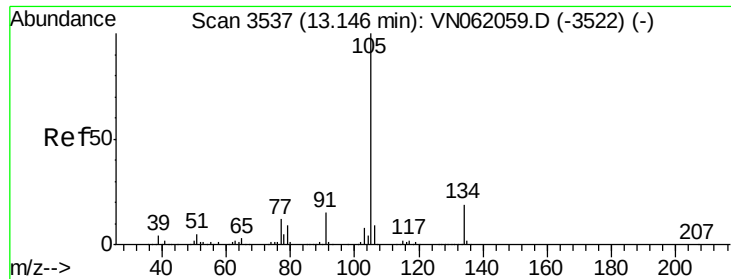
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.809 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201177		
120	45.4		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.325 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

VN0630WBSD01

Tot Ion:105 Resp: 233712

Ion Ratio Lower Upper

105 100

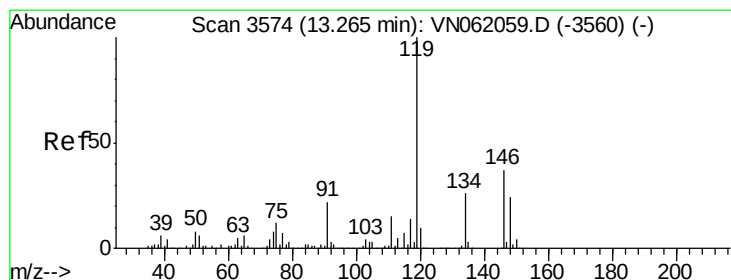
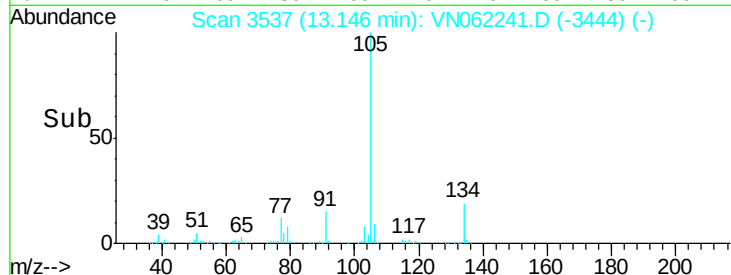
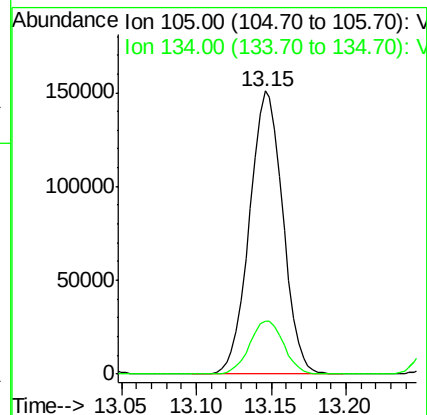
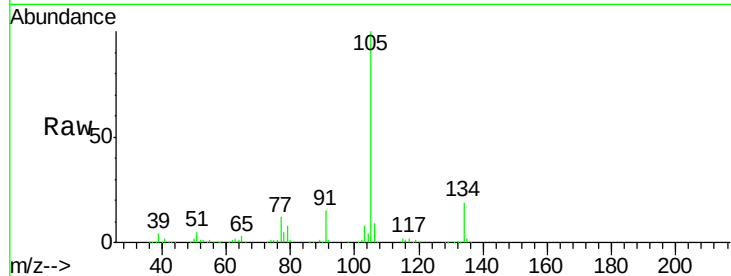
134 19.3 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.937 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

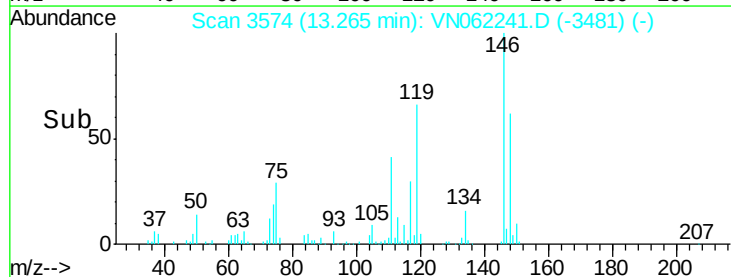
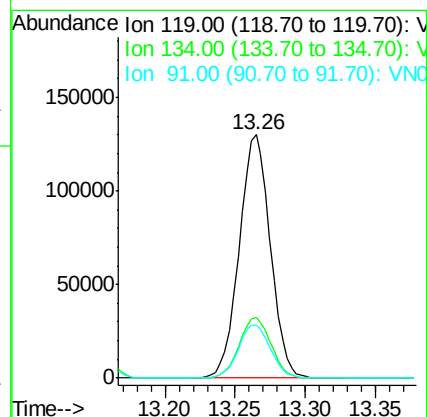
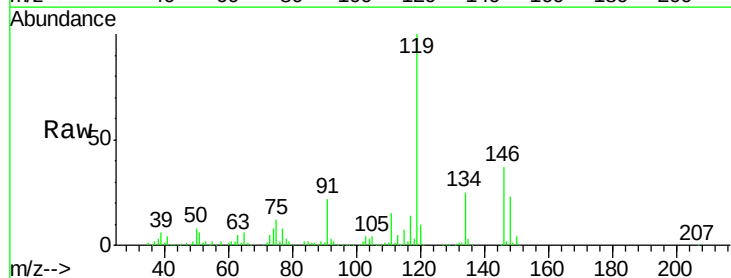
Tgt Ion:119 Resp: 200850

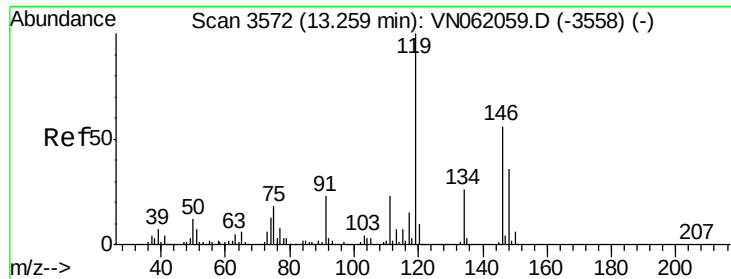
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 22.7 11.3 33.8





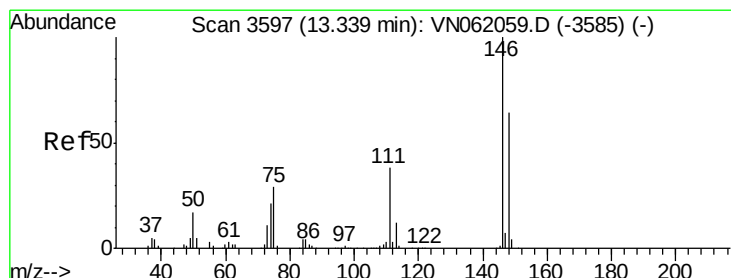
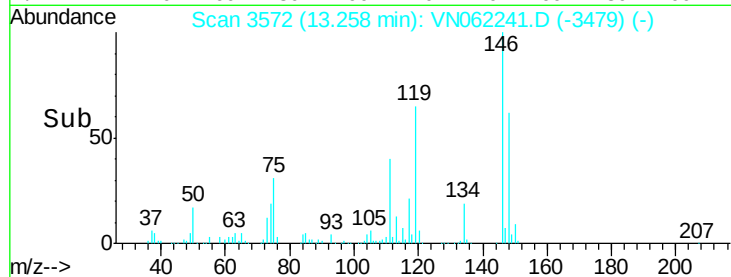
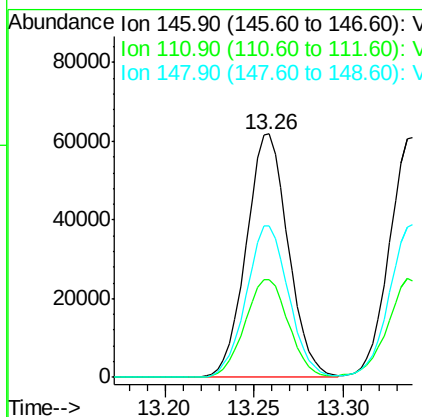
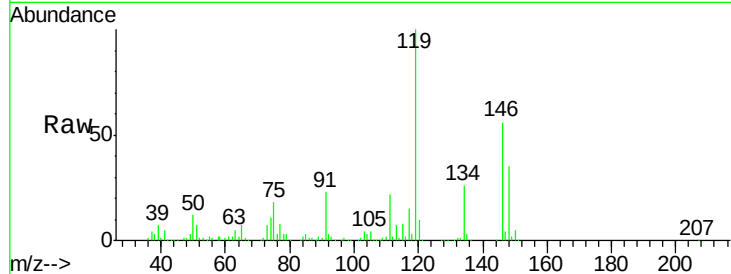
#87
 1,3-Dichlorobenzene
 Concen: 18.589 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101654		
111	41.8	20.3	61.0	
148	62.8	31.8	95.3	

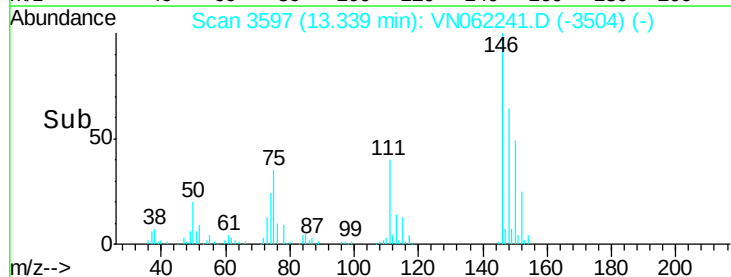
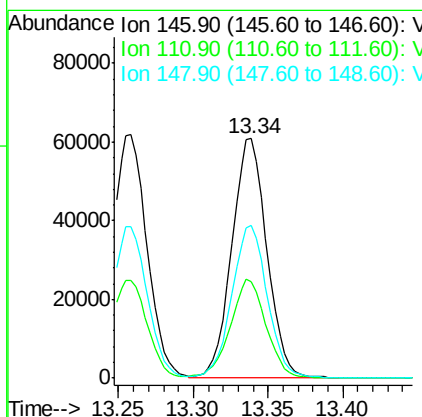
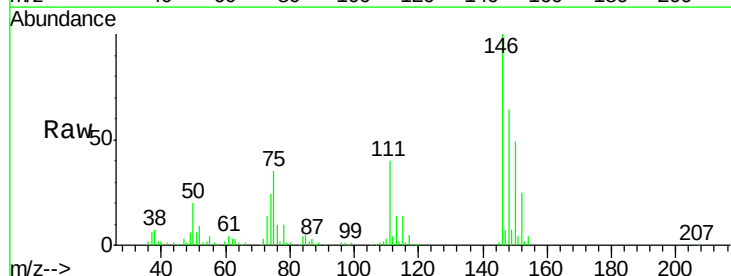
Manual Integrations
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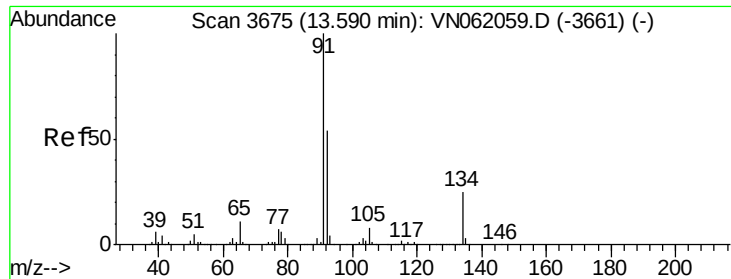
MMDadoda
 7/1/2020 10:16:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.670 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	99601		
111	42.3	19.9	59.6	
148	64.4	31.9	95.9	





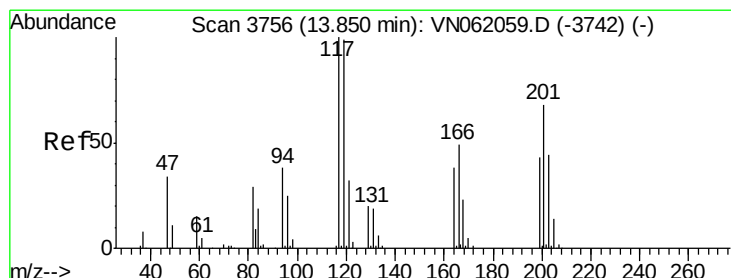
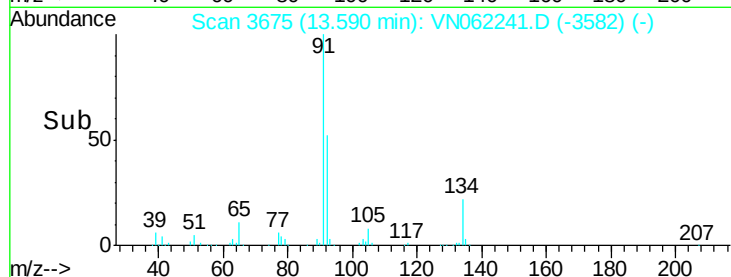
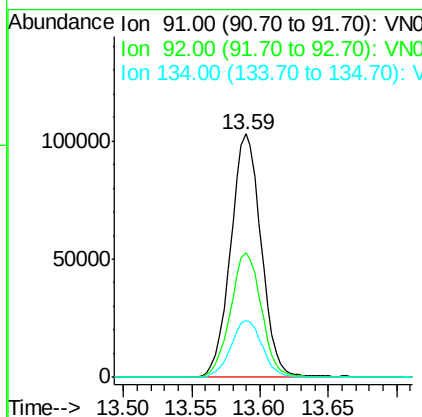
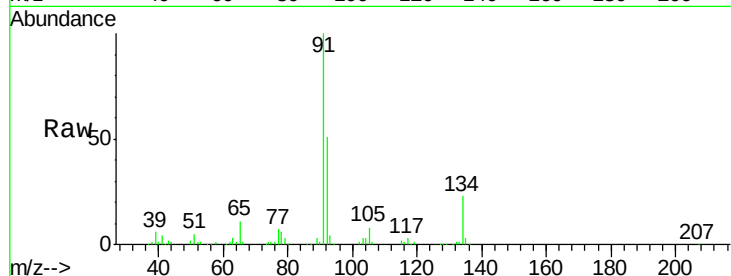
#89
n-Butylbenzene
Concen: 19.113 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	23.9	12.3	36.9

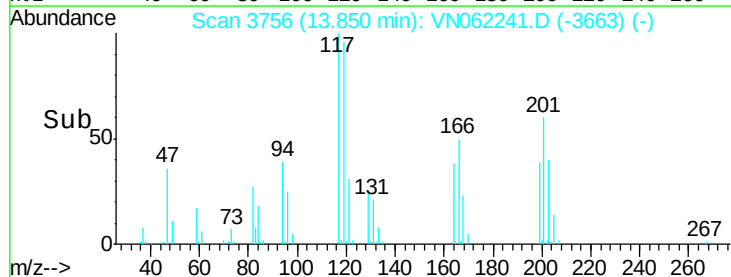
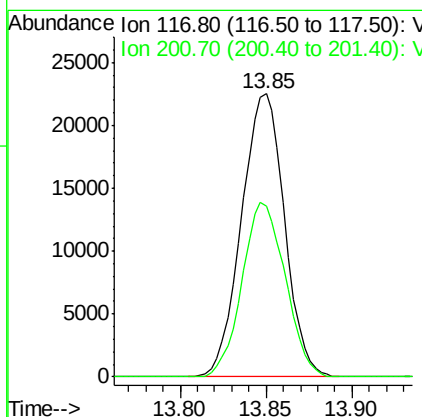
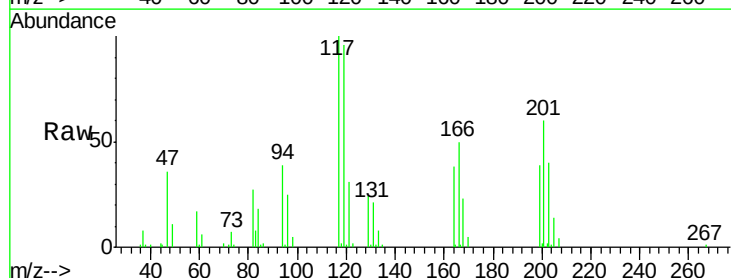
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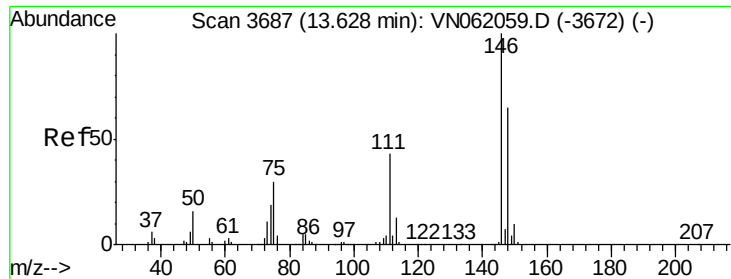
MMDadoda
7/1/2020 10:16:33 AM



#90
Hexachloroethane
Concen: 19.812 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.7	32.7	98.1





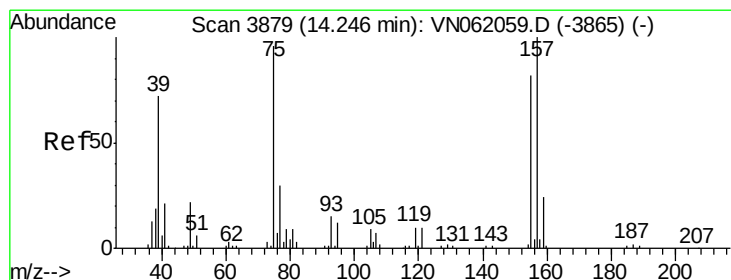
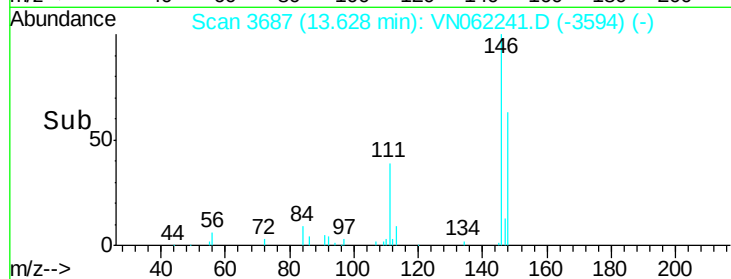
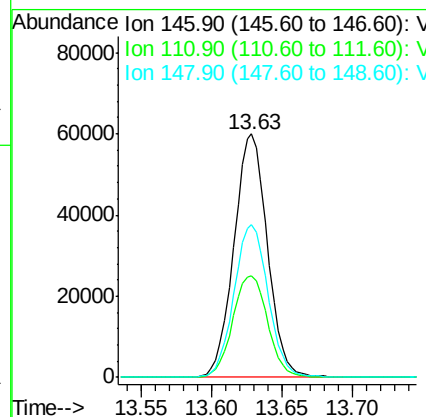
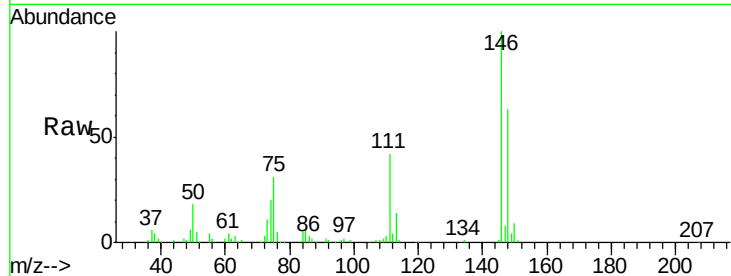
#91
 1,2-Dichlorobenzene
 Concen: 18.785 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	64.2	31.9	95.5

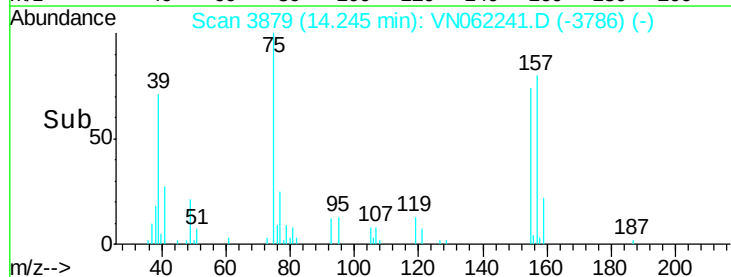
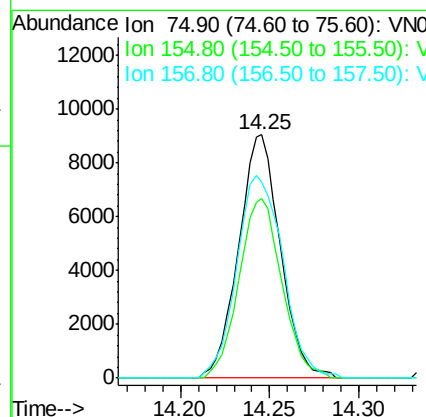
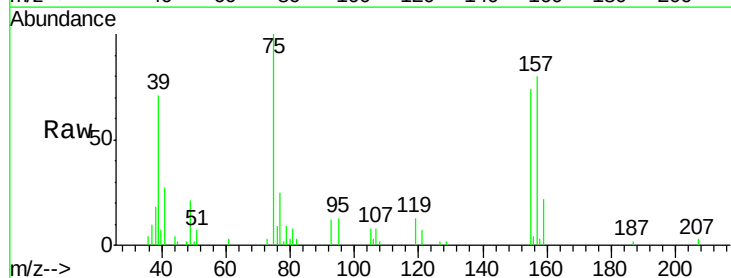
Manual Integrations
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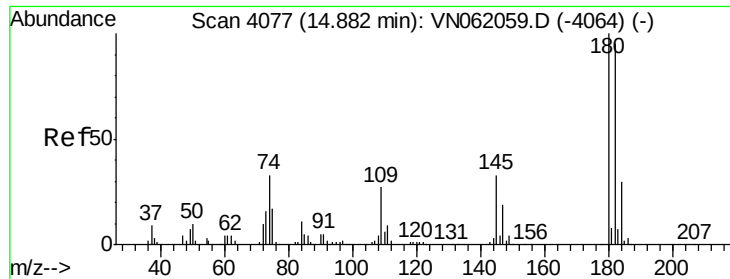
MMDadoda
 7/1/2020 10:16:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.003 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.8	122.4
157	92.5	51.4	154.3





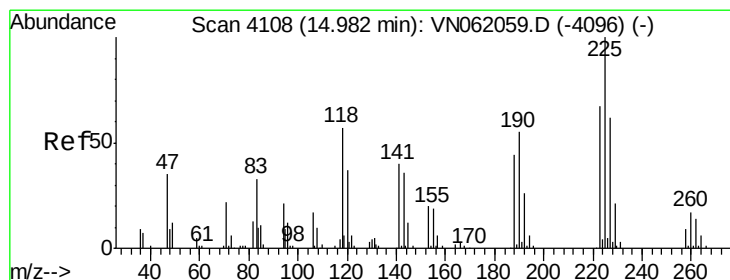
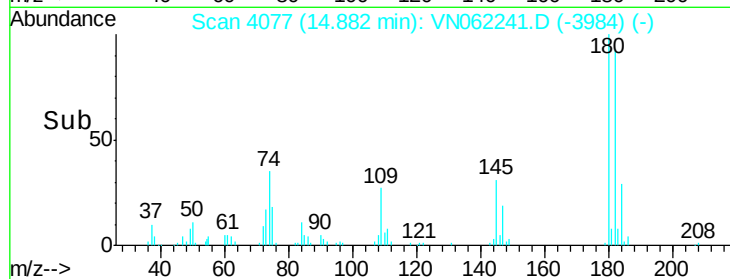
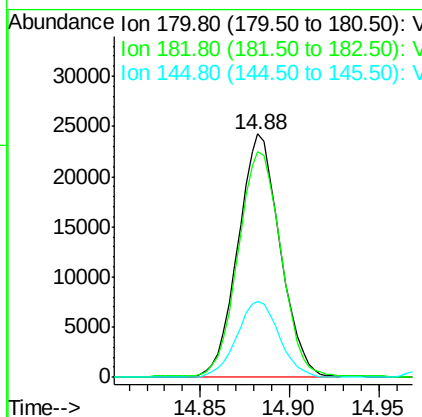
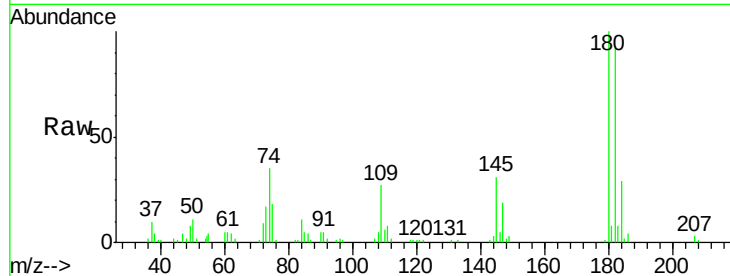
#93
 1,2,4-Trichlorobenzene
 Concen: 17.190 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.0	144.2
145	31.5	16.0	48.0

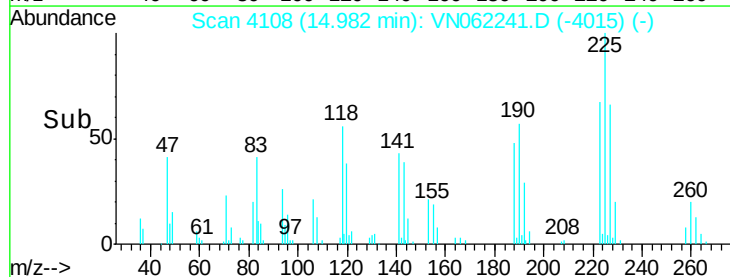
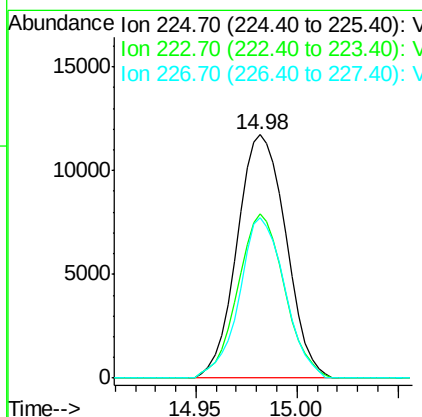
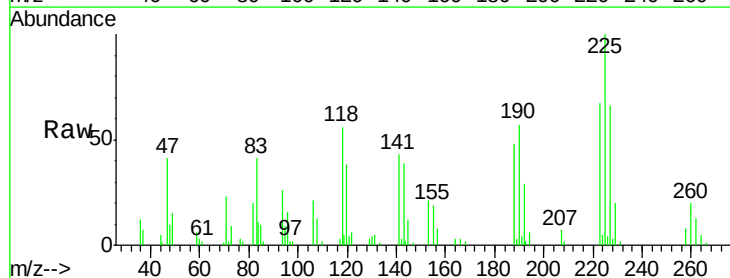
Manual Integrations
 APPROVED

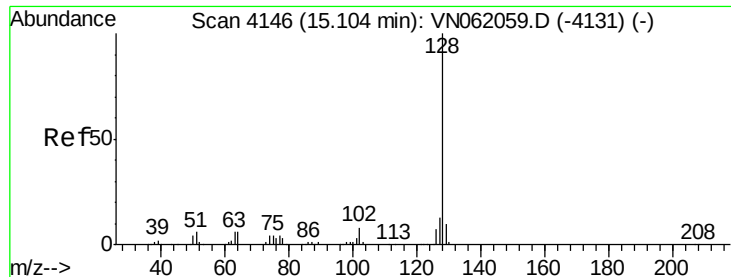
MMDadoda
 7/1/2020 10:16:33 AM



#94
 Hexachlorobutadiene
 Concen: 19.776 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.9	98.7
227	61.2	31.3	93.8





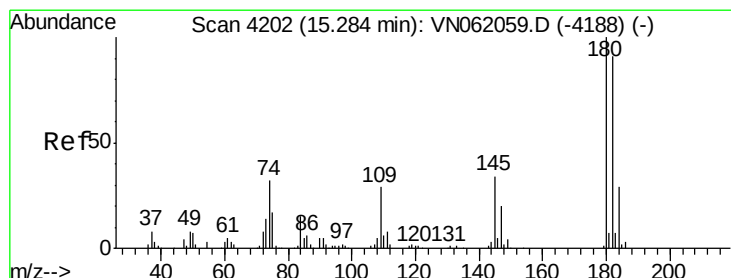
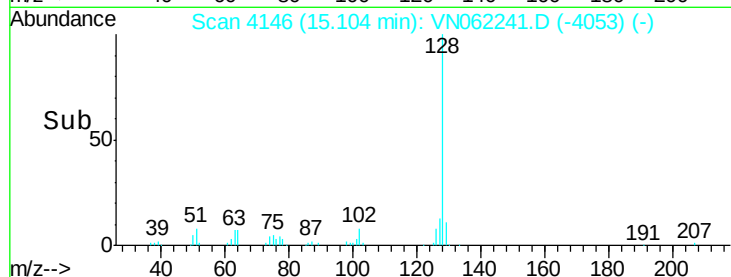
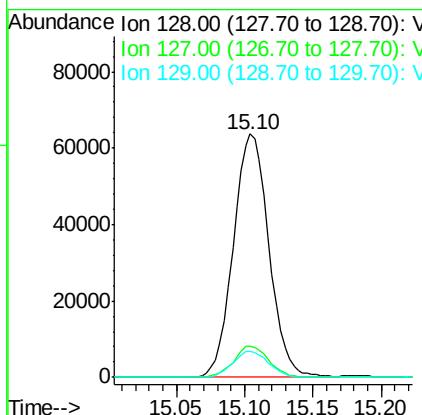
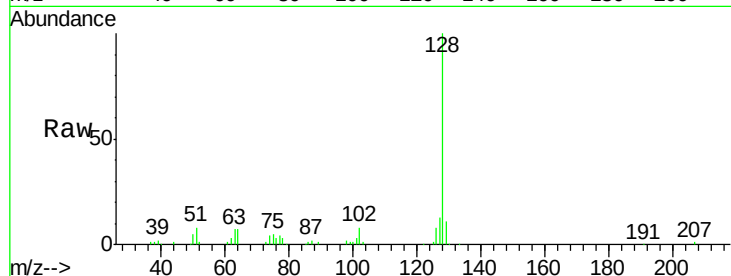
#95
Naphthalene
Concen: 17.701 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/1/2020 10:16:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.265 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.8	140.4
145	34.3	16.4	49.2

