

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062493.D
 Acq On : 10 Jul 2020 15:07
 Operator : JC/MD
 Sample : VN0710WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:17 AM

Quant Time: Jul 13 01:48:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	191381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	323754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	151675	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.55	113	108096	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.06	98	414824	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.38	95	149003	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35150	18.031	ug/l	98
3) Chloromethane	2.04	50	53673	17.159	ug/l	100
4) Vinyl Chloride	2.16	62	46752	18.244	ug/l	99
5) Bromomethane	2.53	94	24173	17.563	ug/l	99
6) Chloroethane	2.67	64	28067	18.805	ug/l	96
7) Trichlorofluoromethane	2.98	101	62446	19.187	ug/l	99
8) Diethyl Ether	3.37	74	29719	20.421	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	36421	18.877	ug/l	98
10) Methyl Iodide	3.91	142	42162	16.550	ug/l	99
11) Tert butyl alcohol	4.73	59	48601	99.530	ug/l	99
12) 1,1-Dichloroethene	3.70	96	36545	18.604	ug/l	98
13) Acrolein	3.57	56	32135	91.227	ug/l	98
14) Allyl chloride	4.28	41	83736	18.125	ug/l	98
15) Acrylonitrile	4.93	53	128279	100.166	ug/l	99
16) Acetone	3.78	43	104989	84.007	ug/l	98
17) Carbon Disulfide	4.01	76	106457	17.295	ug/l	99
18) Methyl Acetate	4.28	43	61986	19.875	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	147643	19.825	ug/l	98
20) Methylene Chloride	4.50	84	48537	18.164	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	39934	18.765	ug/l	99
22) Diisopropyl ether	5.90	45	179361	19.651	ug/l	99
23) Vinyl Acetate	5.84	43	731484	96.745	ug/l	100
24) 1,1-Dichloroethane	5.80	63	89386	18.952	ug/l	99
25) 2-Butanone	6.79	43	172607	94.569	ug/l	100
26) 2,2-Dichloropropane	6.78	77	65347	18.070	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	48149	19.534	ug/l	99
28) Bromochloromethane	7.15	49	47999	18.732	ug/l	95
29) Tetrahydrofuran	7.17	42	119280	97.069	ug/l	99
30) Chloroform	7.33	83	84216	19.776	ug/l	99
31) Cyclohexane	7.61	56	77332	17.295	ug/l	90
32) 1,1,1-Trichloroethane	7.53	97	68105	19.226	ug/l	99
36) 1,1-Dichloropropene	7.75	75	60542	18.561	ug/l	99
37) Ethyl Acetate	6.88	43	75092	19.688	ug/l	100
38) Carbon Tetrachloride	7.73	117	56859	19.389	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	63607	18.266	ug/l	97
40) Benzene	8.00	78	189376	19.700	ug/l	100
41) Methacrylonitrile	7.12	41	34425m	21.603	ug/l	
42) 1,2-Dichloroethane	8.09	62	72496	20.596	ug/l	100
43) Isopropyl Acetate	8.13	43	118215	19.620	ug/l	94
44) Trichloroethene	8.80	130	41441	19.429	ug/l	99
45) 1,2-Dichloropropane	9.09	63	54834	19.649	ug/l	99
46) Dibromomethane	9.18	93	31645	20.094	ug/l	99
47) Bromodichloromethane	9.37	83	67317	19.993	ug/l	100
48) Methyl methacrylate	9.17	41	56838	19.231	ug/l	98
49) 1,4-Dioxane	9.17	88	16973	394.557	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	370086	102.839	ug/l	100
52) Toluene	10.12	92	109931	19.798	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	74670	19.795	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	82172	19.743	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	45964	21.047	ug/l	97
56) Ethyl methacrylate	10.40	69	74047	19.505	ug/l	99
57) 1,3-Dichloropropane	10.68	76	84051	20.832	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	124875	96.382	ug/l	97
59) 2-Hexanone	10.72	43	263819	100.982	ug/l	98
60) Dibromochloromethane	10.88	129	48890	20.647	ug/l	98
61) 1,2-Dibromoethane	10.98	107	45380	20.584	ug/l	99
64) Tetrachloroethene	10.60	164	33233	18.550	ug/l	99
65) Chlorobenzene	11.41	112	115598	19.701	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	42954	19.851	ug/l	99
67) Ethyl Benzene	11.48	91	208947	18.971	ug/l	99
68) m/p-Xylenes	11.60	106	151421	38.835	ug/l	98
69) o-Xylene	11.92	106	72751	19.164	ug/l	98
70) Styrene	11.94	104	122796	19.572	ug/l	99
71) Bromoform	12.10	173	33203	20.932	ug/l #	99
73) Isopropylbenzene	12.22	105	194851	19.233	ug/l	99
74) N-amyl acetate	12.05	43	99989	20.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	72325	21.232	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	62268m	19.384	ug/l	
77) Bromobenzene	12.50	156	46368	20.132	ug/l	97
78) n-propylbenzene	12.57	91	226506	19.140	ug/l	99
79) 2-Chlorotoluene	12.65	91	140803	19.604	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	165132	19.883	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	22536	18.777	ug/l	97
82) 4-Chlorotoluene	12.75	91	143500	19.680	ug/l	99
83) tert-Butylbenzene	12.97	119	136314	19.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	162280	19.658	ug/l	99
85) sec-Butylbenzene	13.15	105	182560	19.548	ug/l	99
86) p-Isopropyltoluene	13.26	119	154386	19.153	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	79160	19.923	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	81158	19.851	ug/l	100
89) n-Butylbenzene	13.59	91	127939	17.976	ug/l	99
90) Hexachloroethane	13.85	117	30613	19.307	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	78792	20.510	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12204	19.632	ug/l	97

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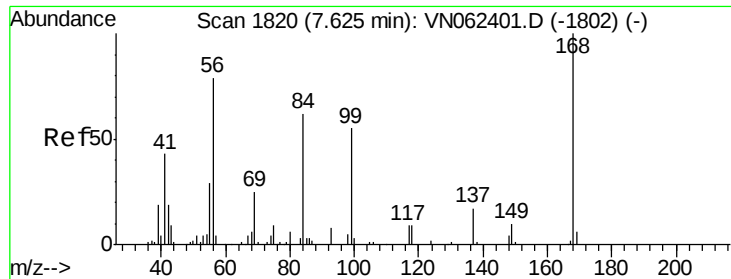
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	35209	19.265	ug/l	98
94) Hexachlorobutadiene	14.98	225	20685	20.279	ug/l	99
95) Naphthalene	15.10	128	94706	20.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35712	19.373	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion:168 Resp: 191381

Ion Ratio Lower Upper

168 100

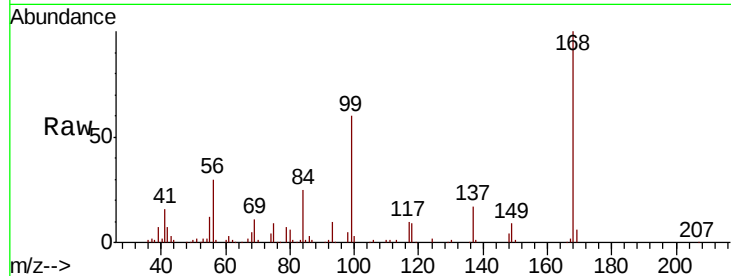
99 59.4 48.8 73.2

Manual Integrations

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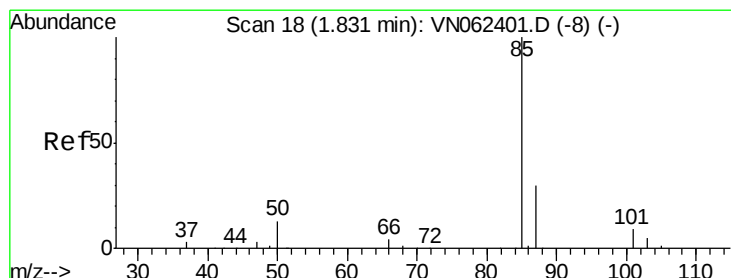
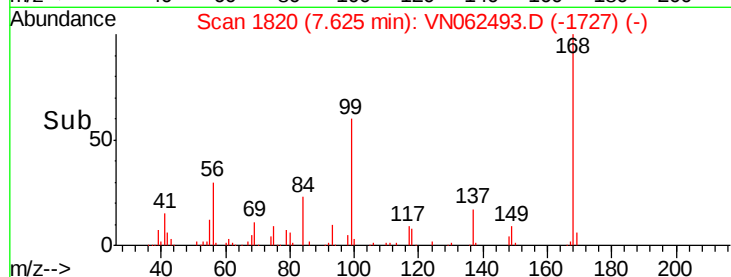
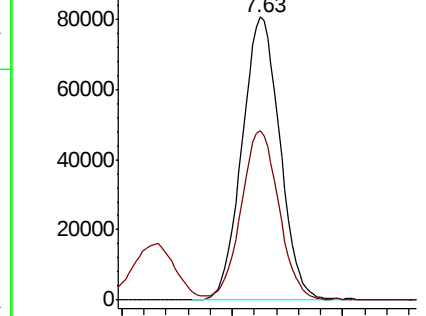
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.031 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062493.D

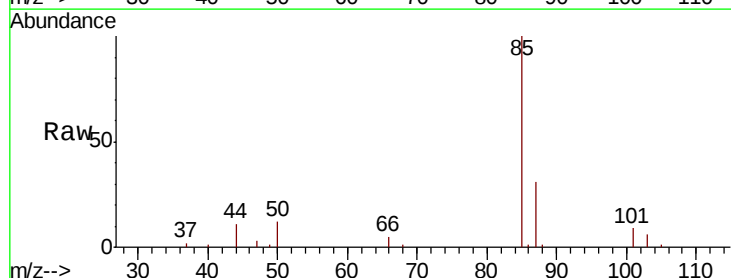
Acq: 10 Jul 2020 15:07

Tgt Ion: 85 Resp: 35150

Ion Ratio Lower Upper

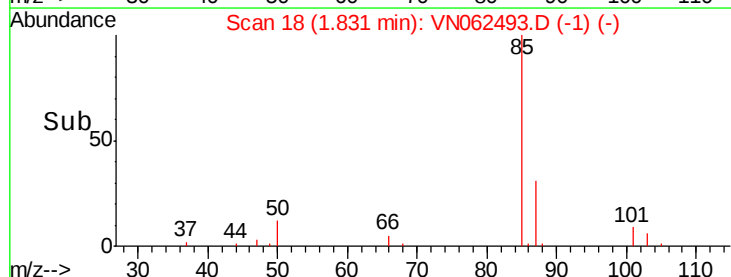
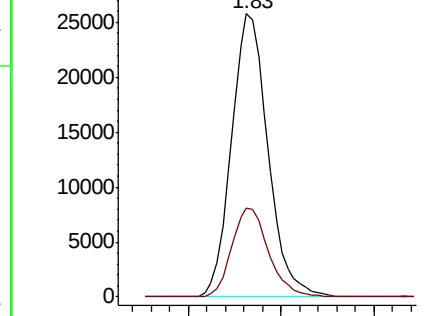
85 100

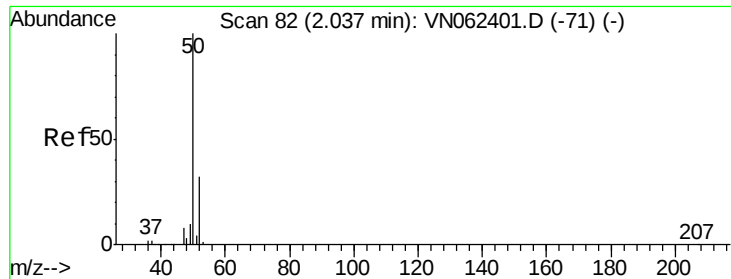
87 31.4 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.159 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 50 Resp: 53673

Ion Ratio Lower Upper

50 100

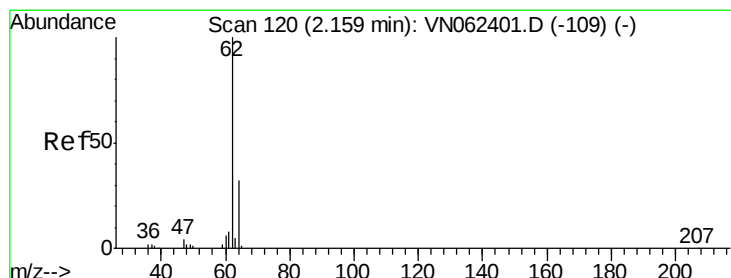
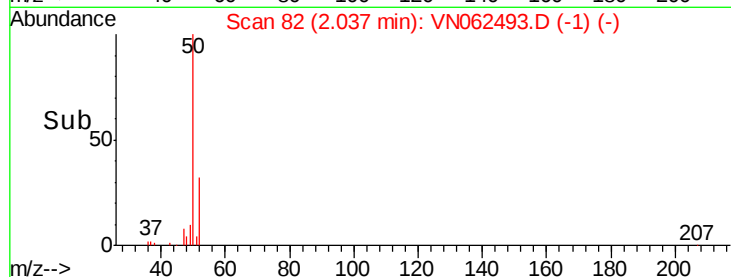
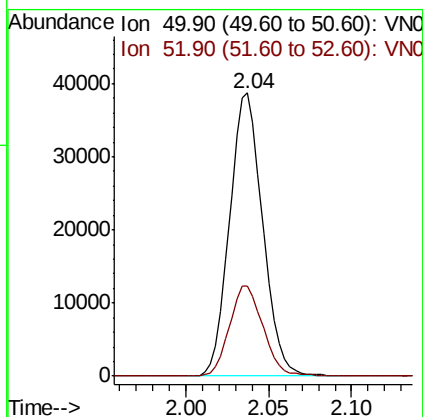
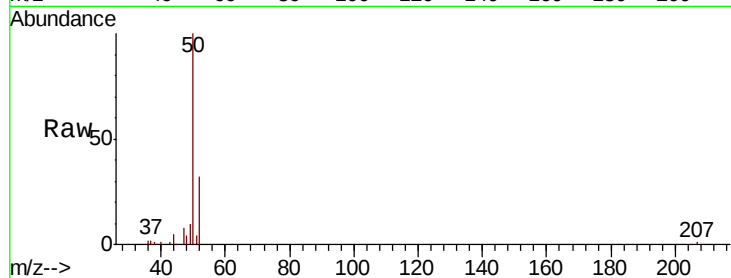
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.244 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062493.D

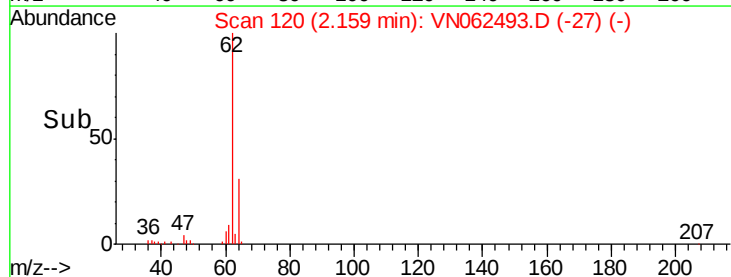
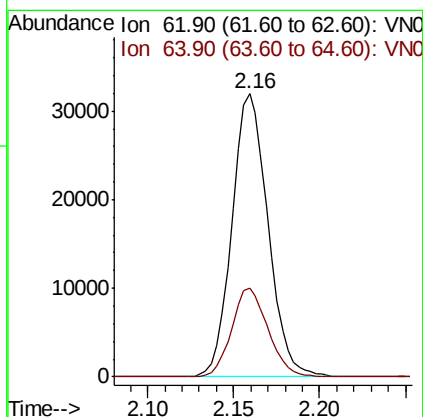
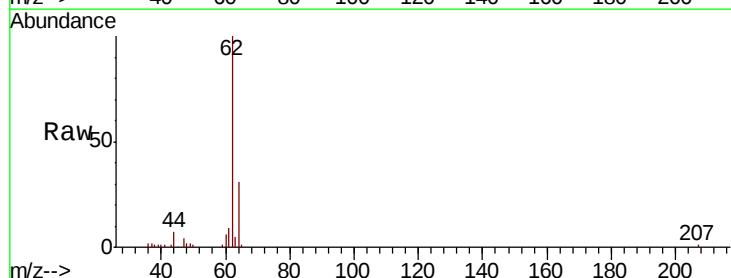
Acq: 10 Jul 2020 15:07

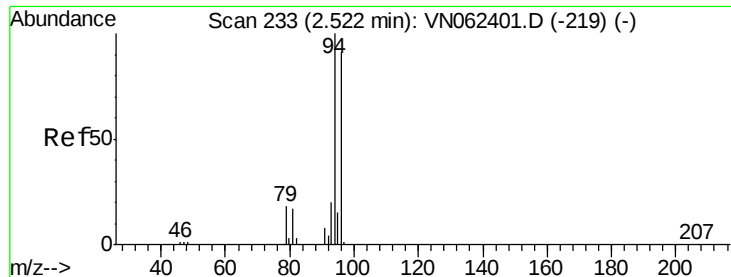
Tgt Ion: 62 Resp: 46752

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 17.563 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

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ClientSampleId :

VN0710WBSD01

Tot Ion: 94 Resp: 24173

Ion Ratio Lower Upper

94 100

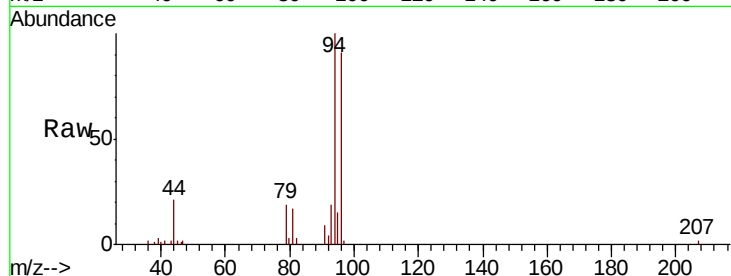
96 90.6 73.2 109.8

Manual Integrations

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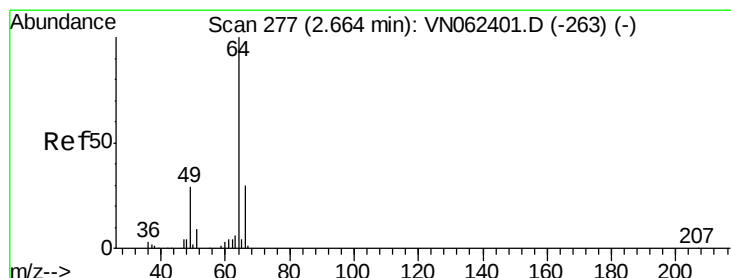
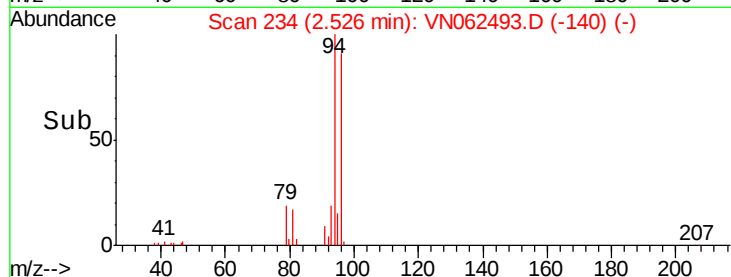
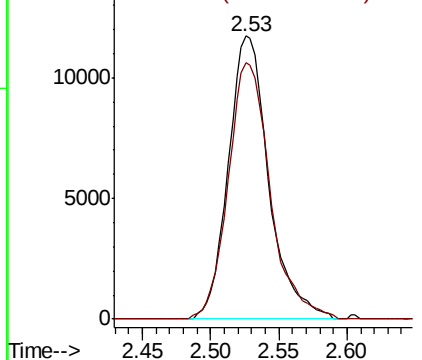
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.805 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062493.D

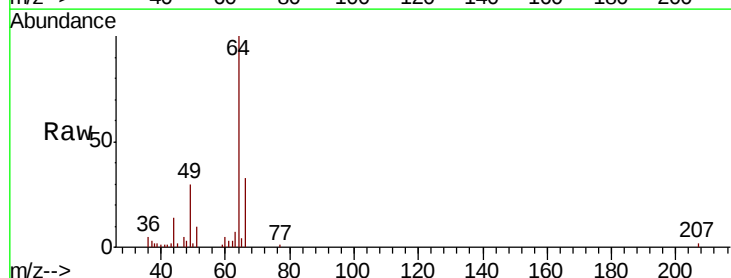
Acq: 10 Jul 2020 15:07

Tgt Ion: 64 Resp: 28067

Ion Ratio Lower Upper

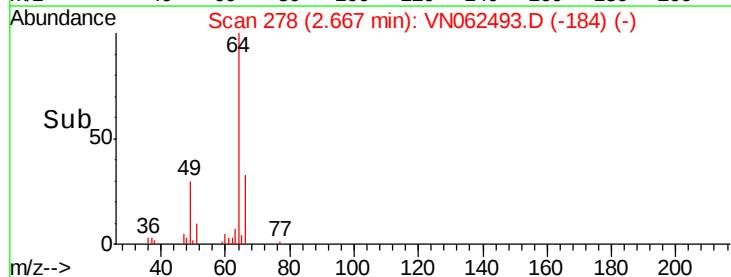
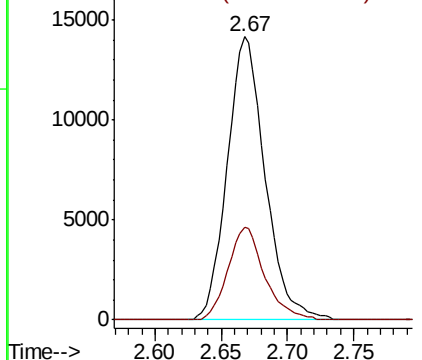
64 100

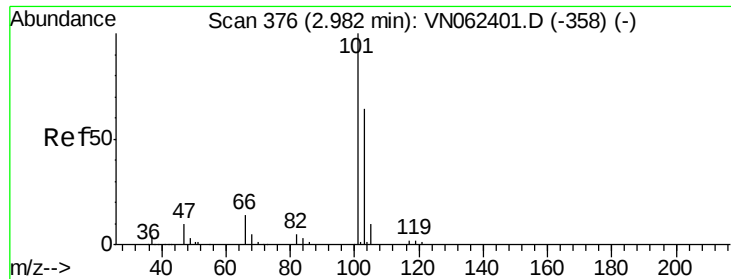
66 32.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

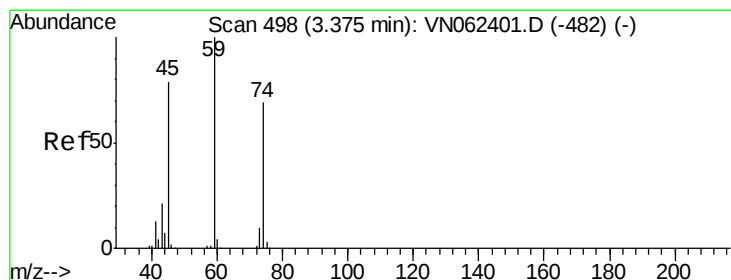
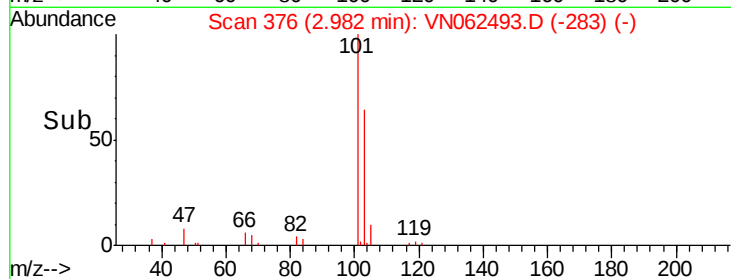
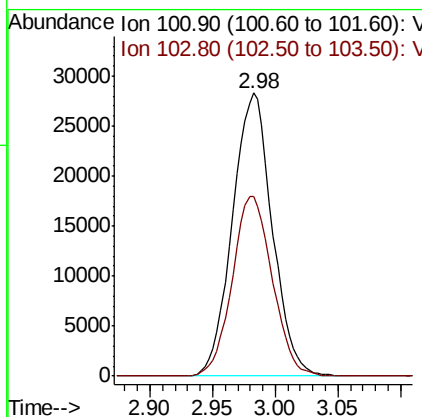
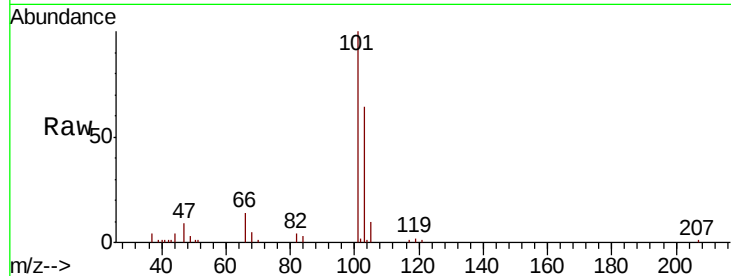
Trichlorofluoromethane
 Concen: 19.187 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		62446		
103	63.6	51.6	77.4		

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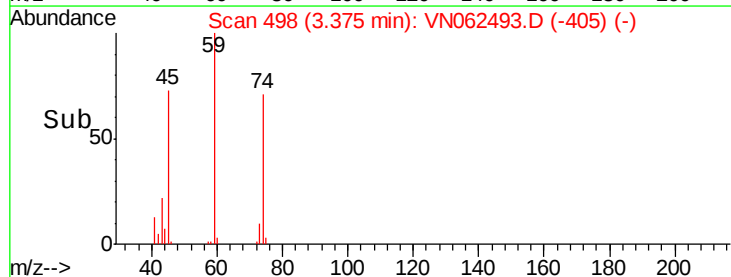
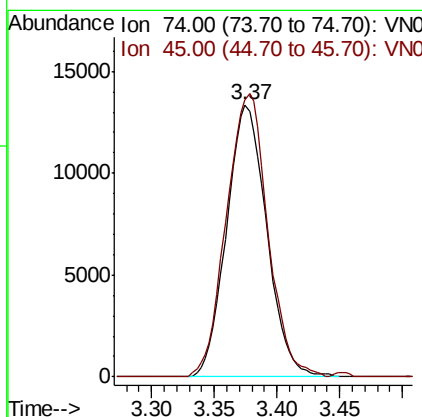
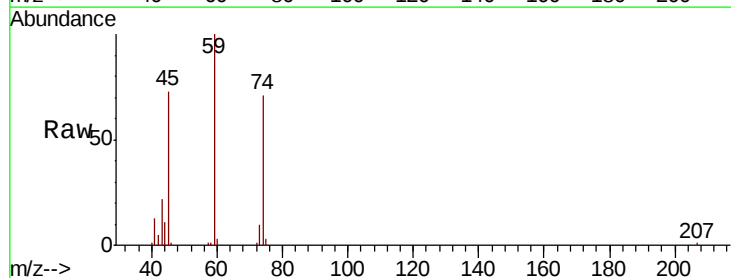
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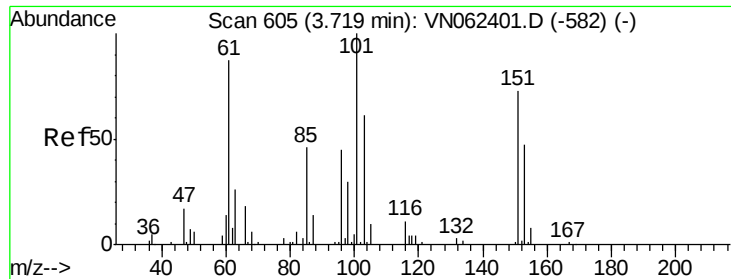


#8

Diethyl Ether
 Concen: 20.421 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		29719		
45	107.6	58.5	175.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.877 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

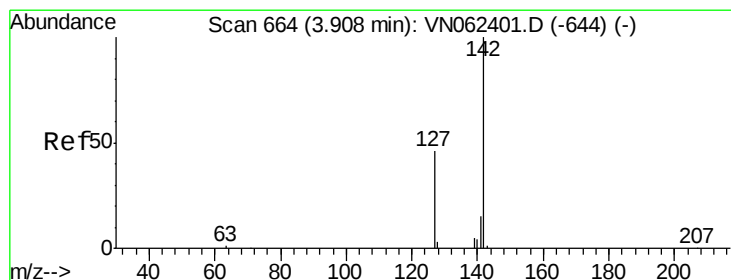
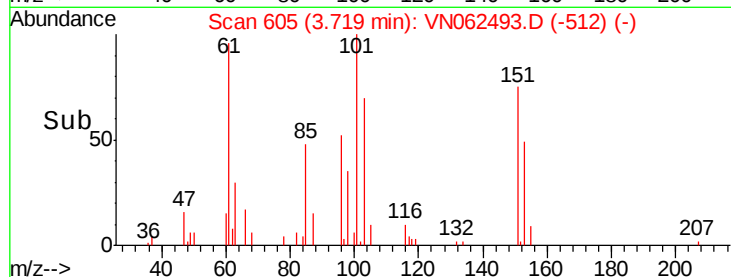
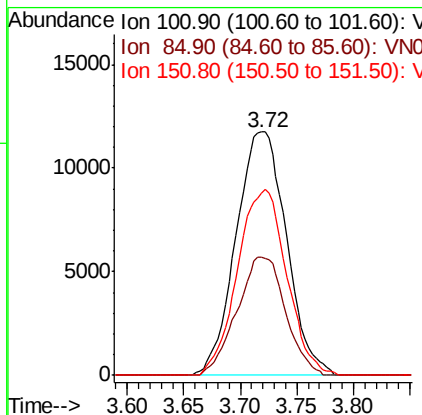
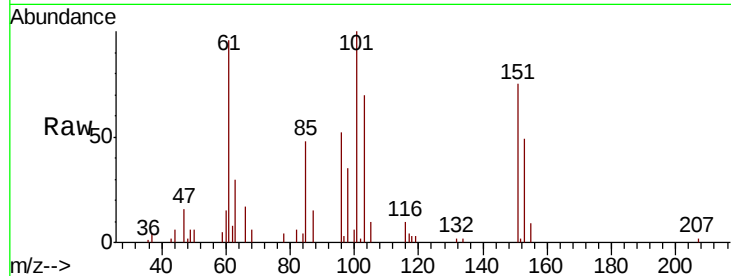
ClientSampleId :

VN0710WBSD01

Tot Ion:	101	Resp:	36421
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.7	55.1
151	74.5	58.3	87.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.550 ug/l

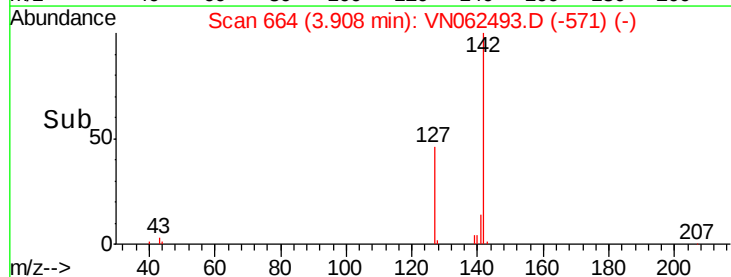
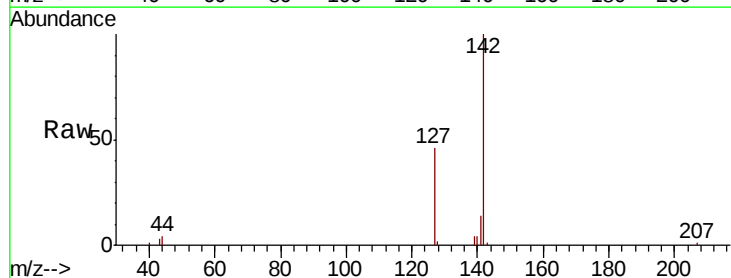
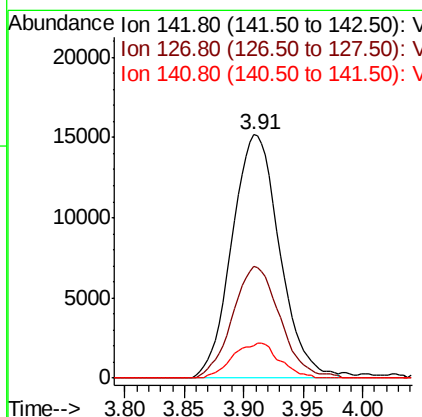
RT: 3.91 min Scan# 664

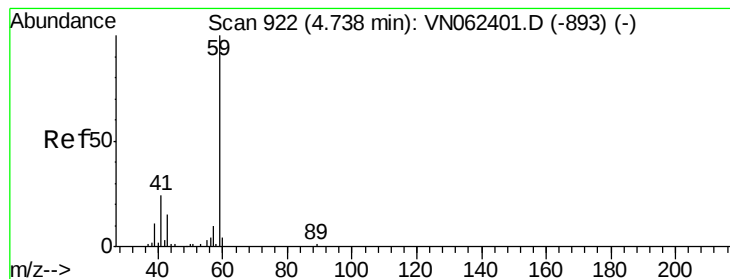
Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	142	Resp:	42162
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.1	54.1
141	14.1	11.4	17.0





#11

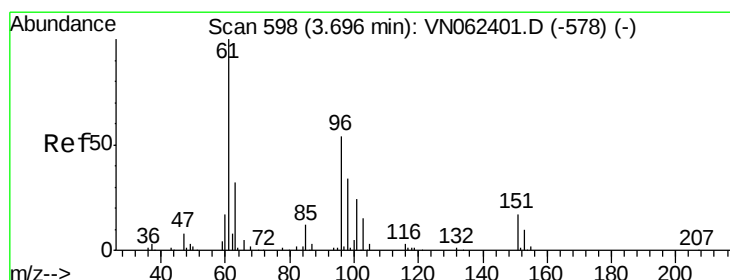
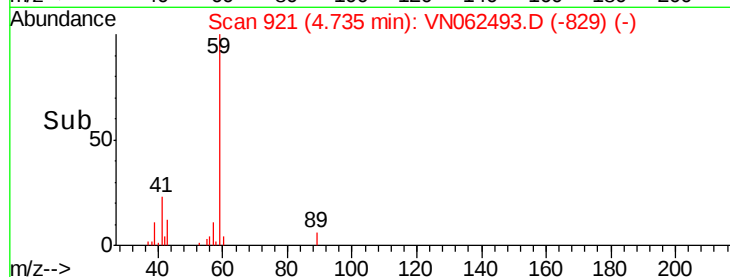
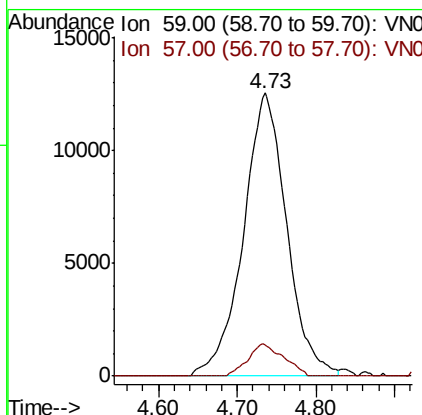
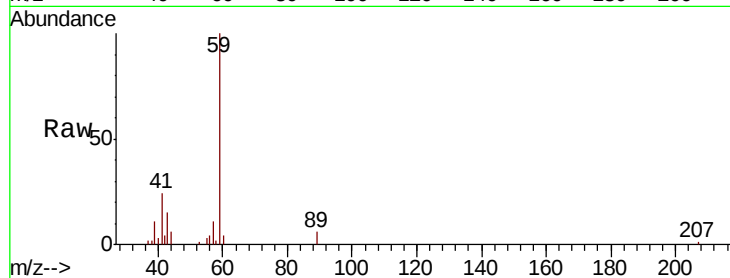
Tert butyl alcohol
Concen: 99.530 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

Manual Integrations
APPROVED

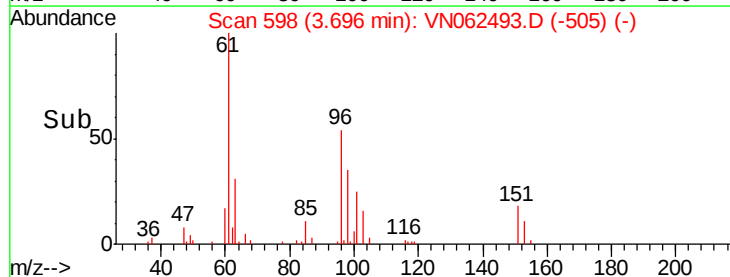
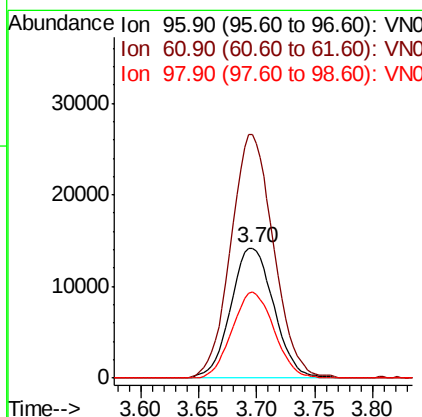
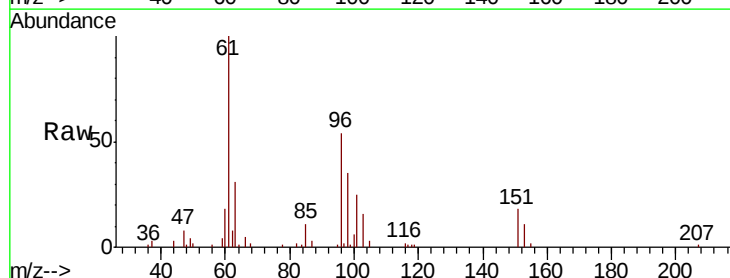
MMDadoda
7/13/2020 11:19:17 AM

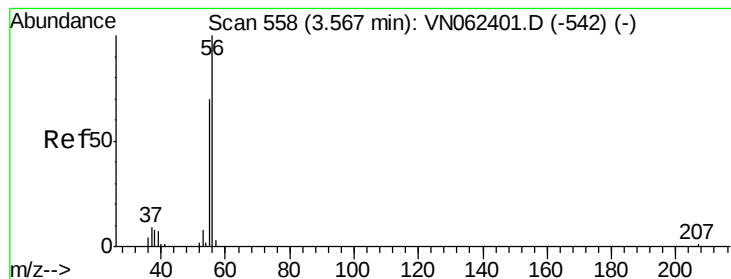


#12

1,1-Dichloroethene
Concen: 18.604 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	147.4	221.0
98	65.8	50.4	75.6





#13

Acrolein

Concen: 91.227 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 56 Resp: 32135

Ion Ratio Lower Upper

56 100

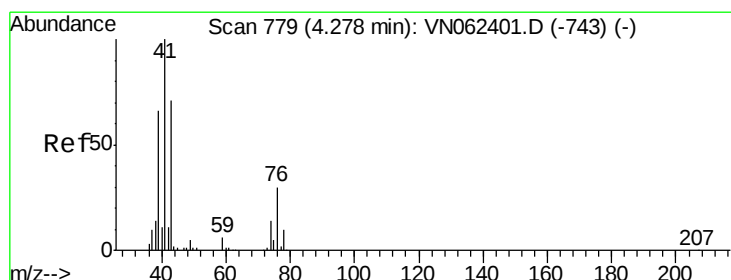
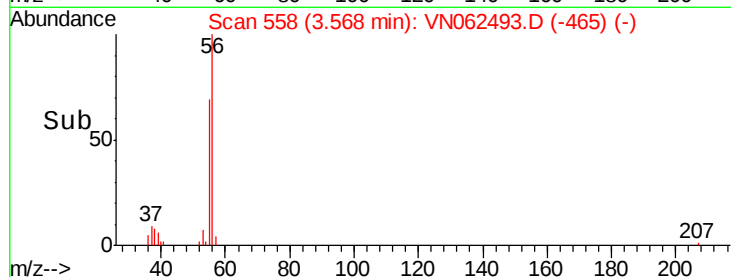
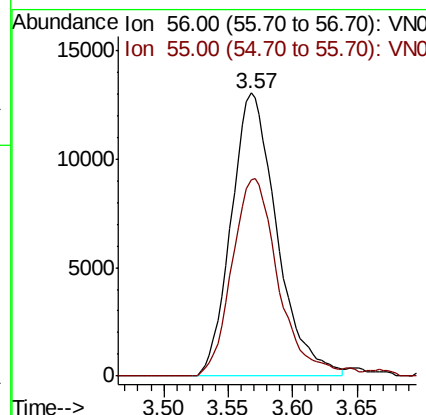
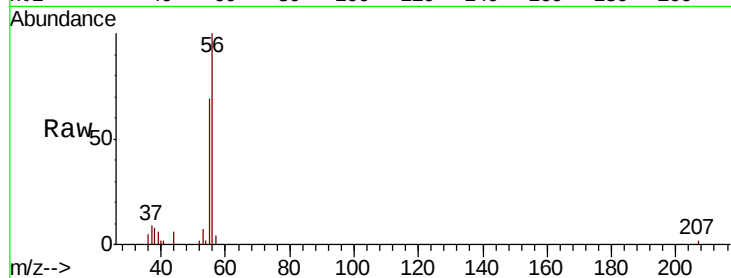
55 70.3 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.125 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

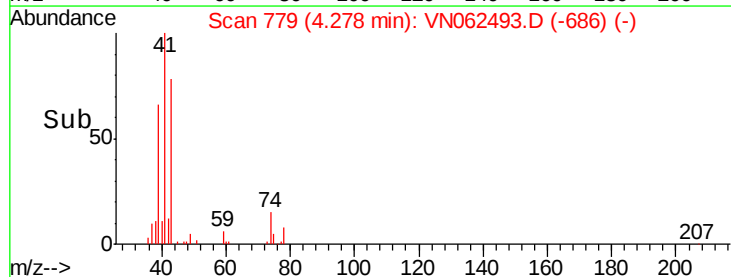
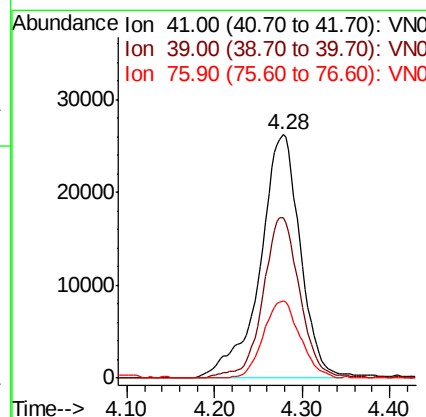
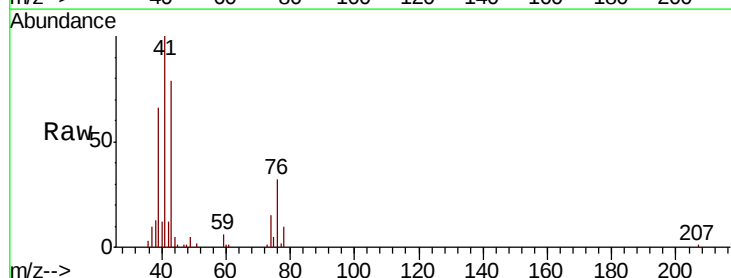
Tgt Ion: 41 Resp: 83736

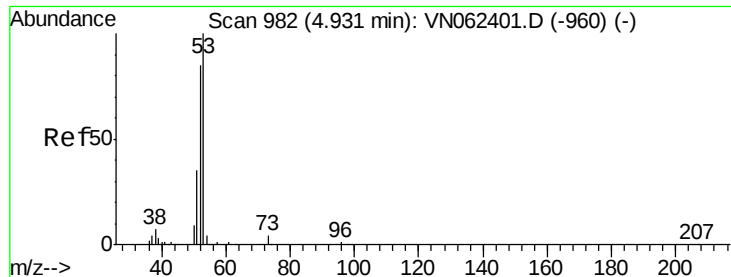
Ion Ratio Lower Upper

41 100

39 60.6 49.6 74.4

76 28.9 22.2 33.4





#15

Acrylonitrile

Concen: 100.166 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

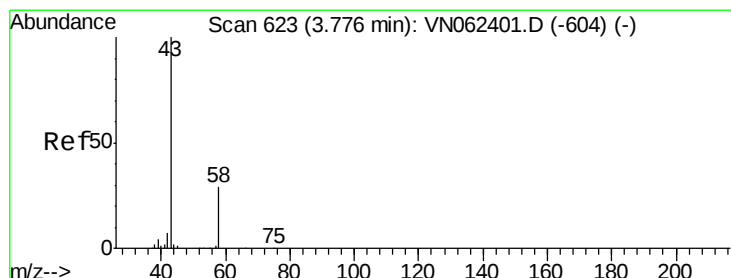
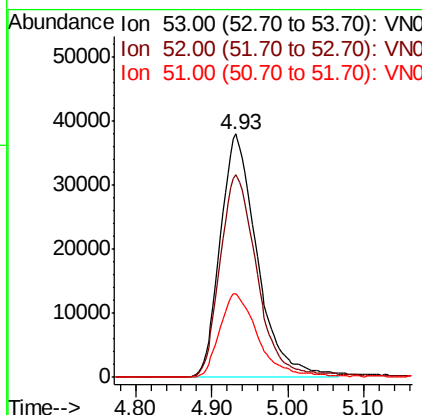
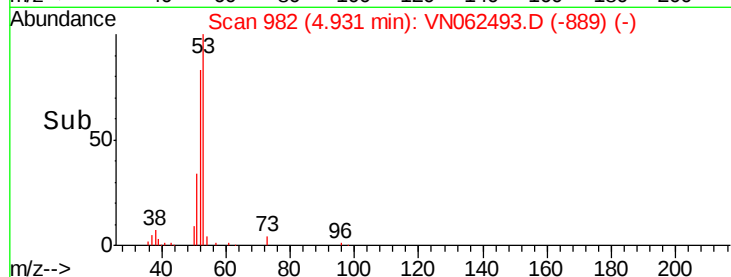
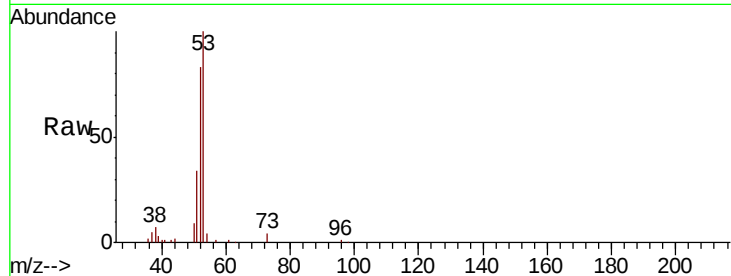
ClientSampleId :

VN0710WBSD01

Tot Ion:	53	Resp:	128279
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.2	99.4
51	35.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 84.007 ug/l

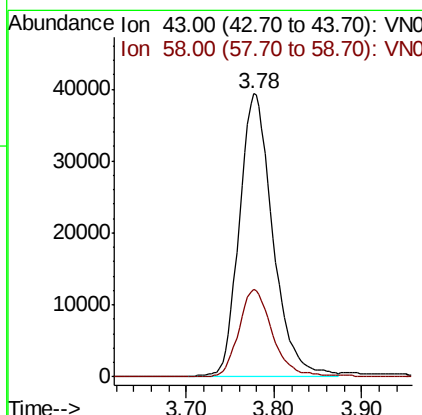
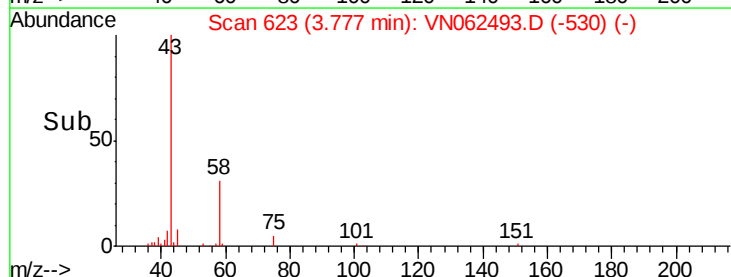
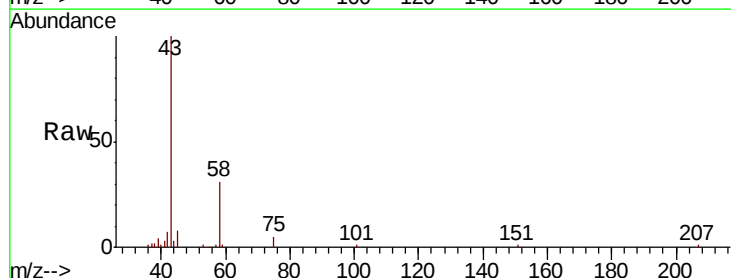
RT: 3.78 min Scan# 623

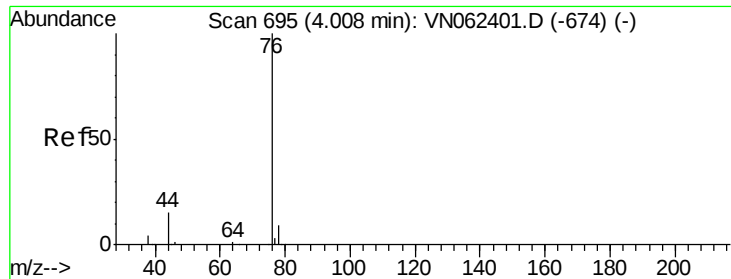
Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	43	Resp:	104989
Ion Ratio		Lower	Upper
43	100		
58	30.7	23.5	35.3





#17

Carbon Disulfide

Concen: 17.295 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 76 Resp: 106457

Ion Ratio Lower Upper

76 100

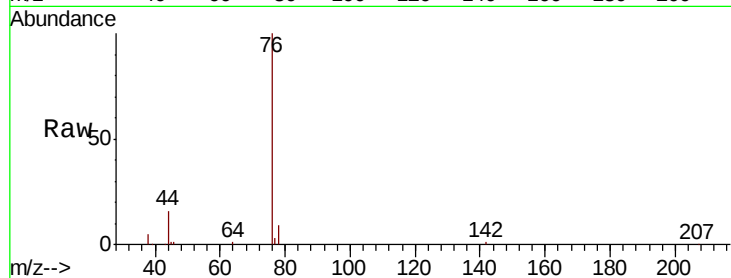
78 8.7 7.3 10.9

Manual Integrations

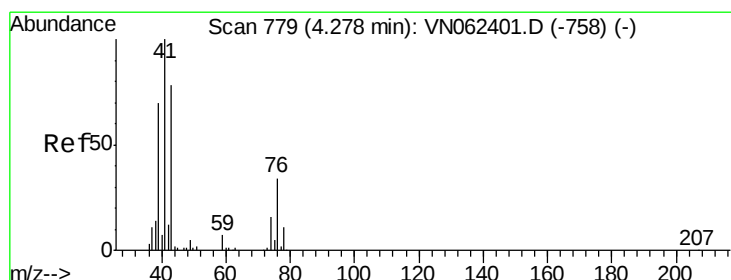
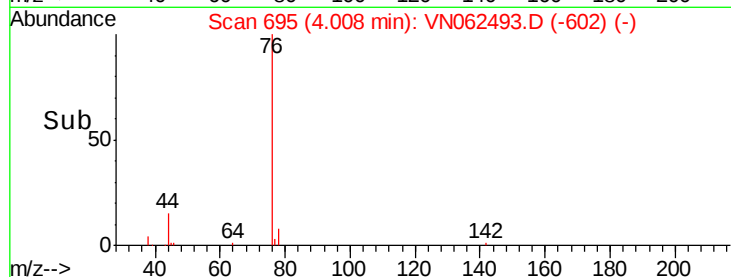
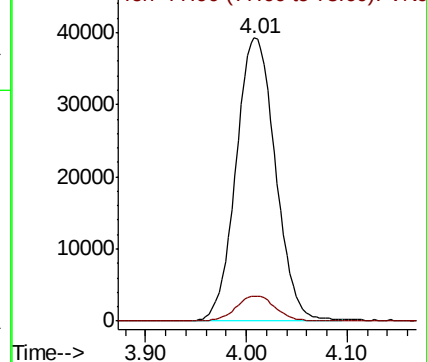
APPROVED

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



#18

Methyl Acetate

Concen: 19.875 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062493.D

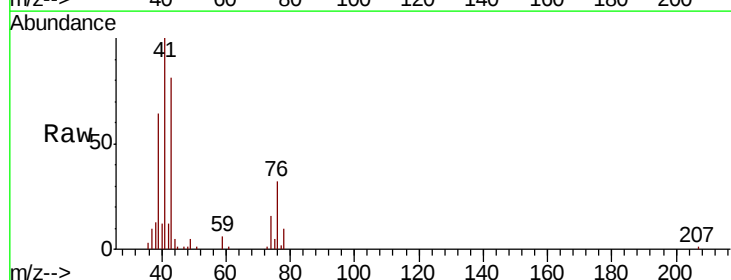
Acq: 10 Jul 2020 15:07

Tgt Ion: 43 Resp: 61986

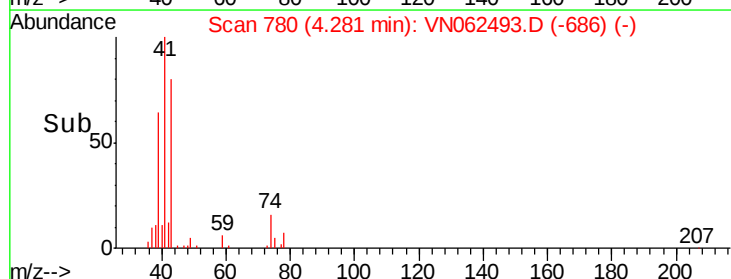
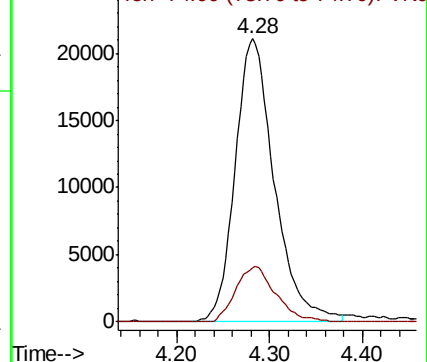
Ion Ratio Lower Upper

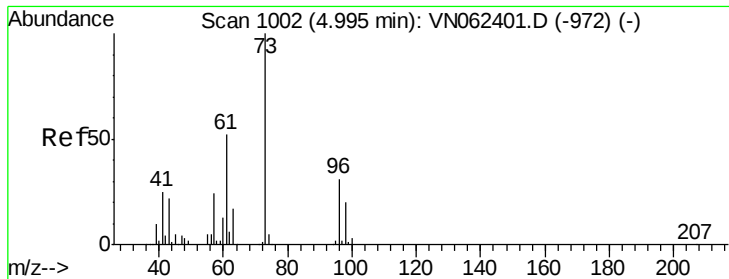
43 100

74 20.0 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#19

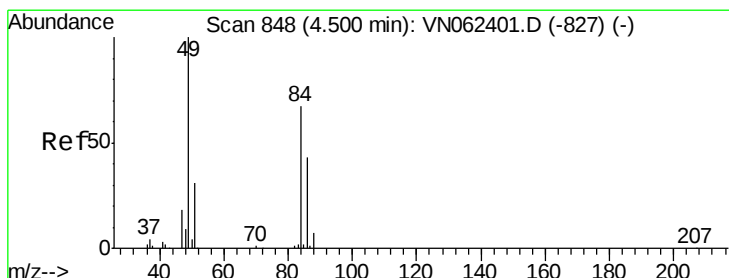
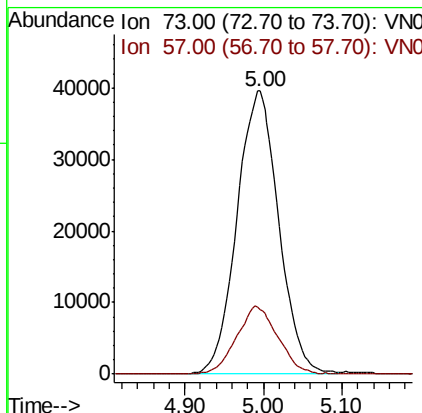
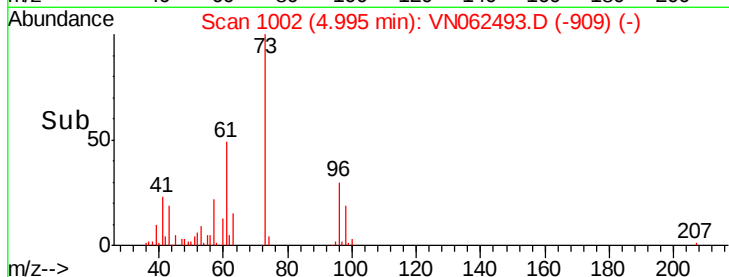
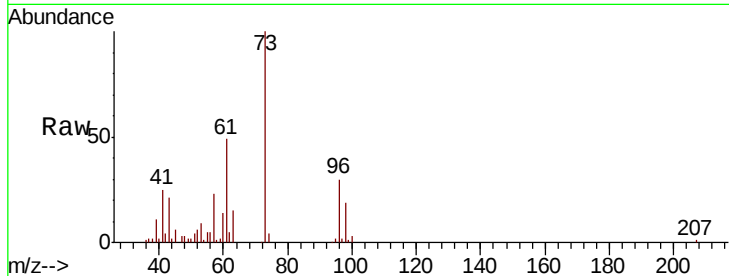
Methyl tert-butyl Ether
 Concen: 19.825 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.4	29.0

Manual Integrations
 APPROVED

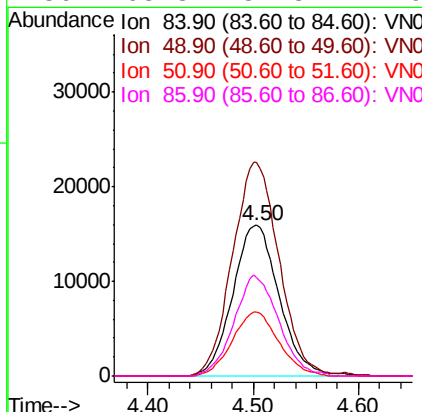
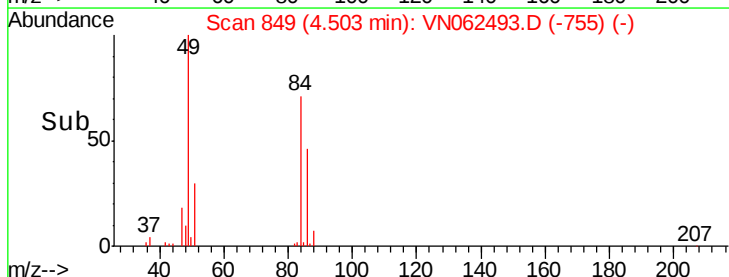
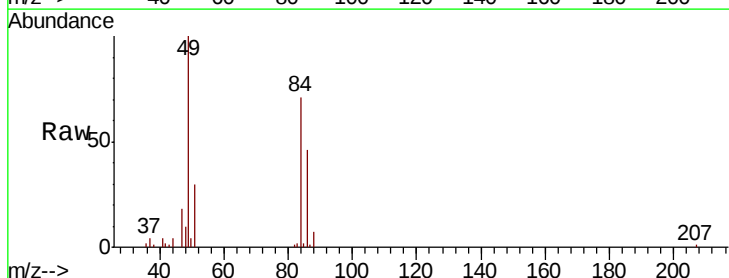
MMDadoda
 7/13/2020 11:19:17 AM

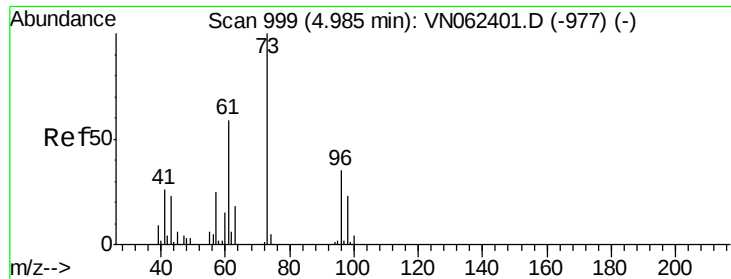


#20

Methylene Chloride
 Concen: 18.164 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.7	120.0	180.0
51	42.8	37.0	55.6
86	65.3	51.8	77.6





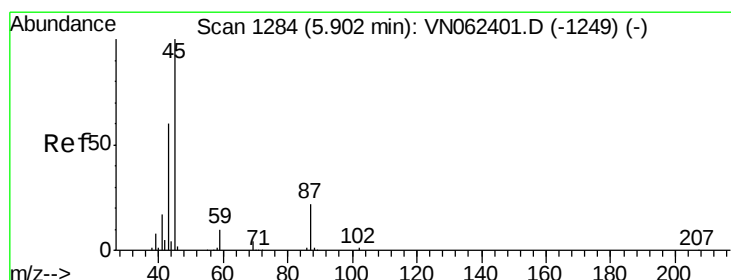
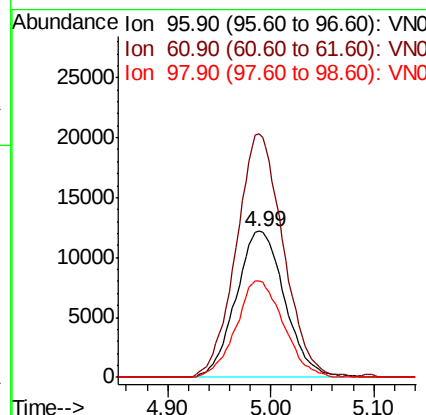
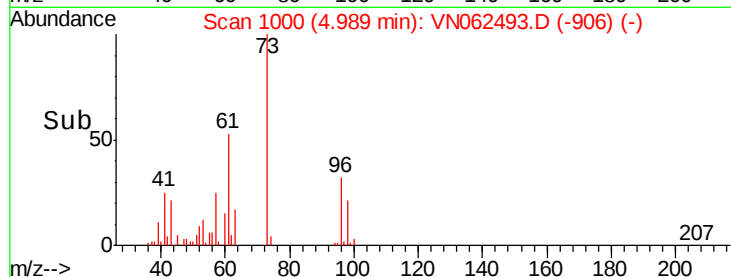
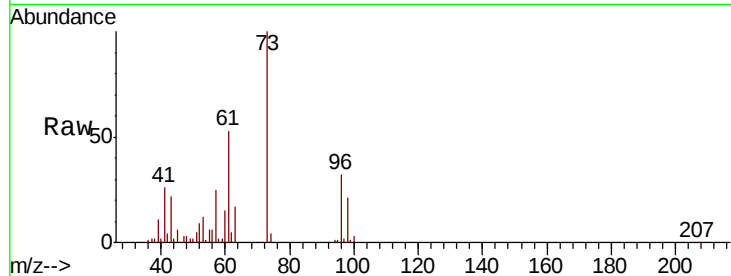
#21
trans-1,2-Dichloroethene
Concen: 18.765 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.6	133.5	200.3
98	66.1	51.9	77.9

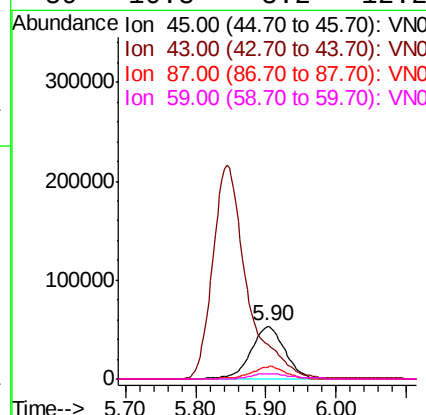
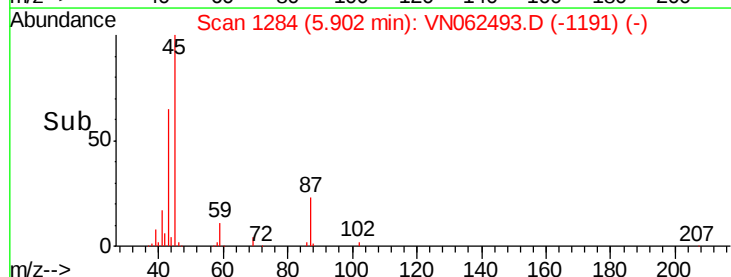
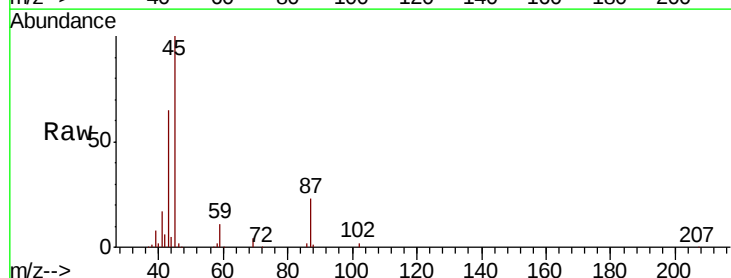
Manual Integrations
APPROVED

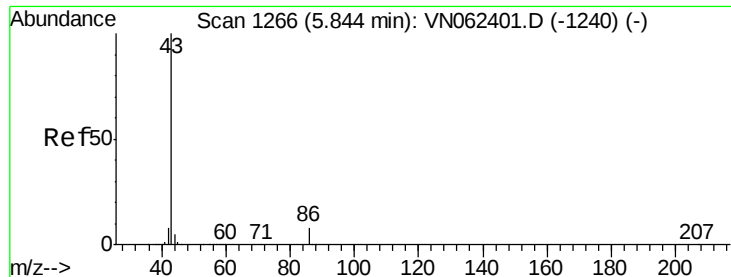
MMDadoda
7/13/2020 11:19:17 AM



#22
Diisopropyl ether
Concen: 19.651 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	50.1	75.1
87	22.9	18.2	27.4
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 96.745 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleID :

VN0710WBSD01

Tot Ion: 43 Resp: 731484

Ion Ratio Lower Upper

43 100

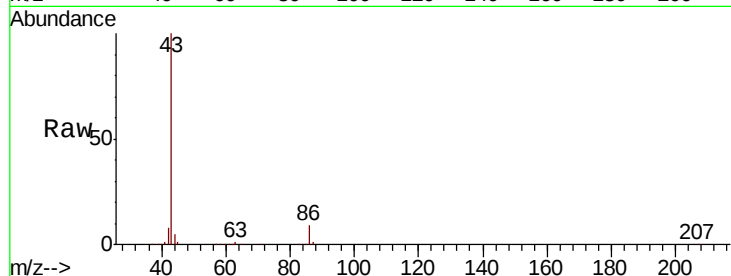
86 8.6 6.7 10.1

Manual Integrations

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MMDadoda

7/13/2020 11:19:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

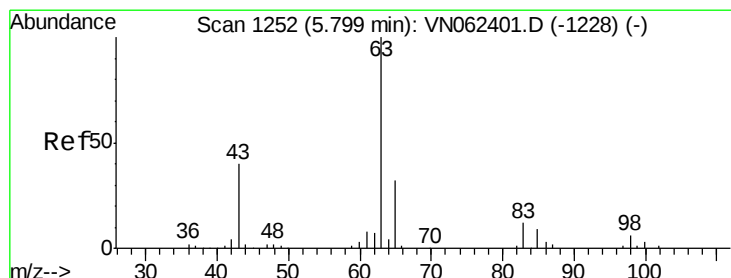
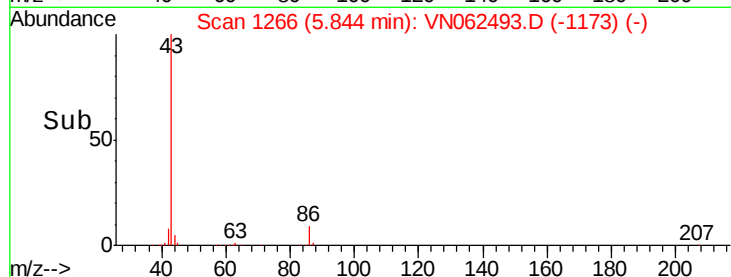
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.952 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

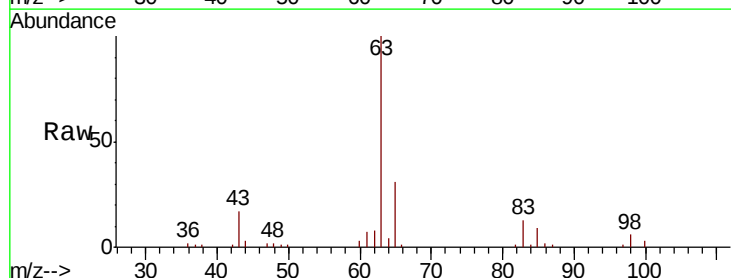
Tgt Ion: 63 Resp: 89386

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.0 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

30000

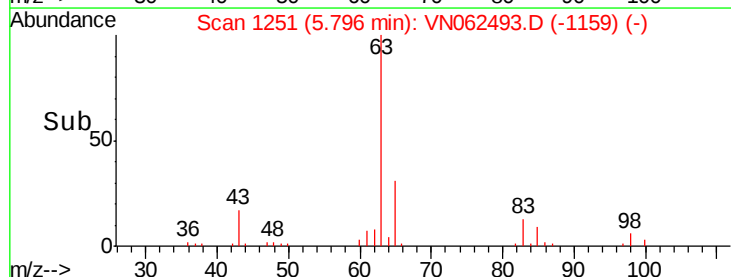
20000

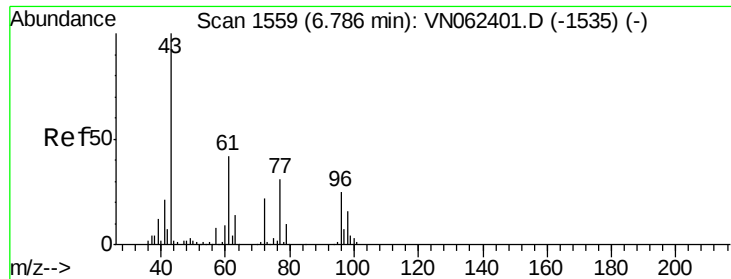
10000

0

5.70 5.80 5.90

Time-->





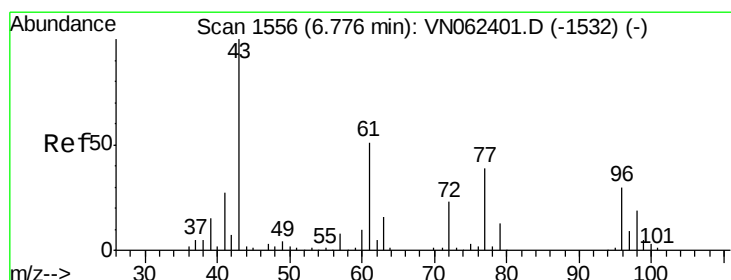
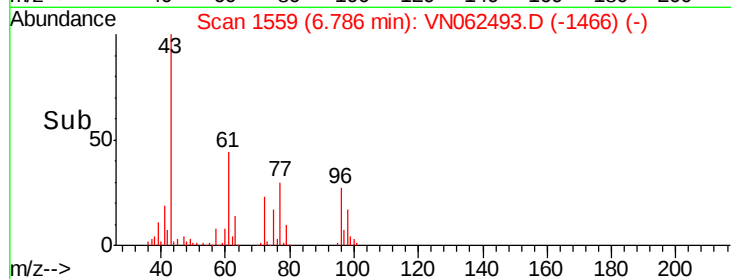
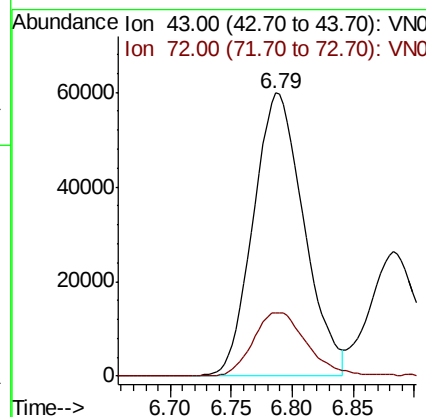
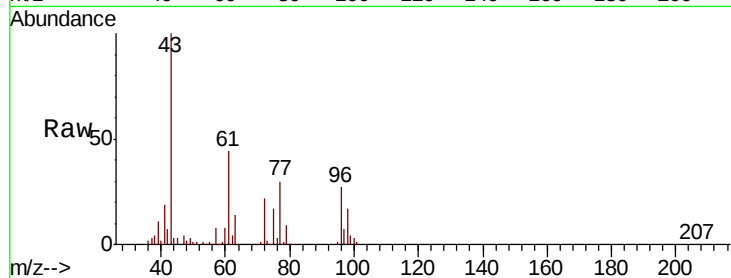
#25
2-Butanone
Concen: 94.569 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion: 43 Resp: 172607
Ion Ratio Lower Upper
43 100
72 22.5 17.9 26.9

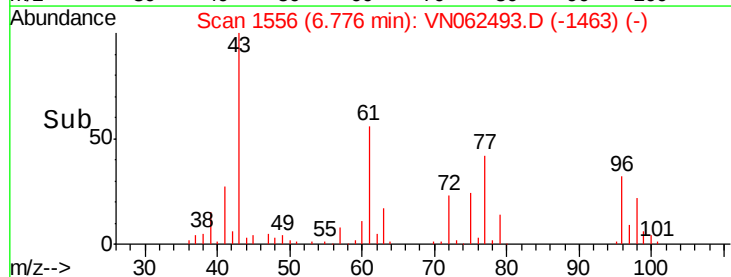
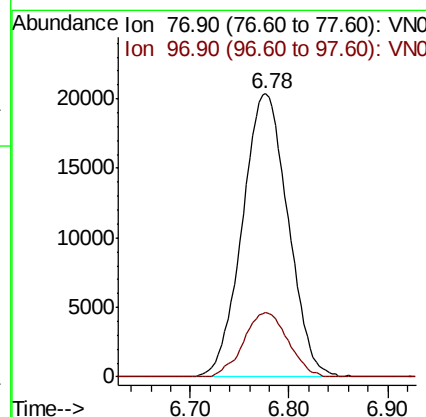
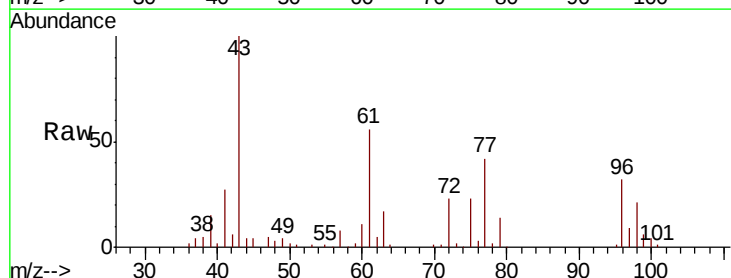
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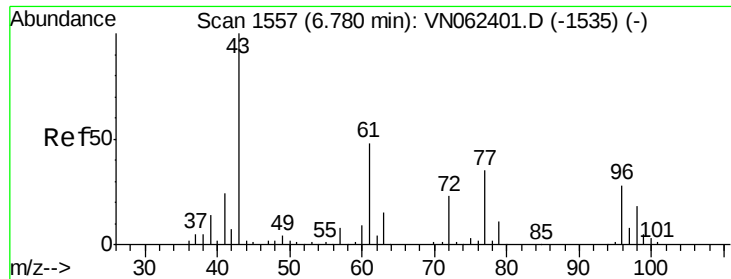
MMDadoda
7/13/2020 11:19:17 AM



#26
2,2-Dichloropropane
Concen: 18.070 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion: 77 Resp: 65347
Ion Ratio Lower Upper
77 100
97 22.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.534 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

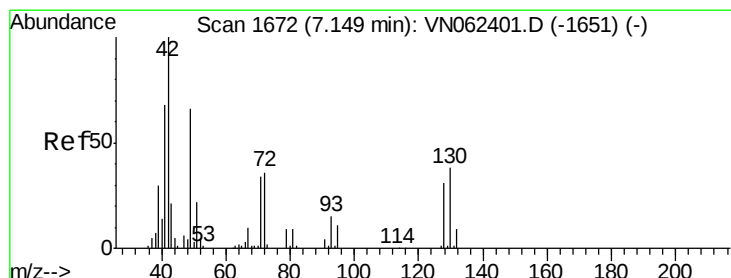
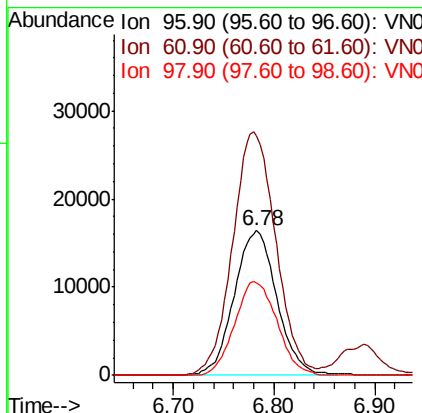
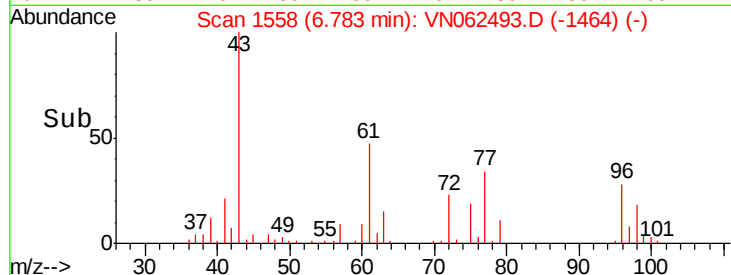
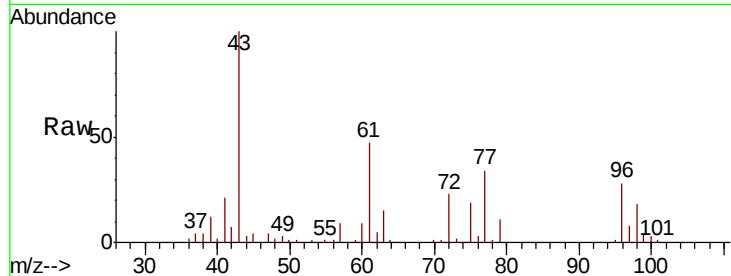
ClientSampleId :

VN0710WBSD01

Tot Ion:	96	Resp:	48149
Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	343.4
98	64.0	0.0	128.4

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#28

Bromochloromethane

Concen: 18.732 ug/l

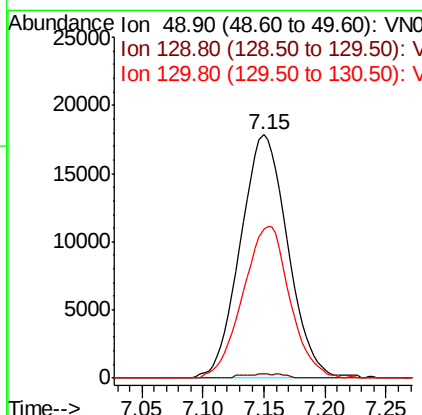
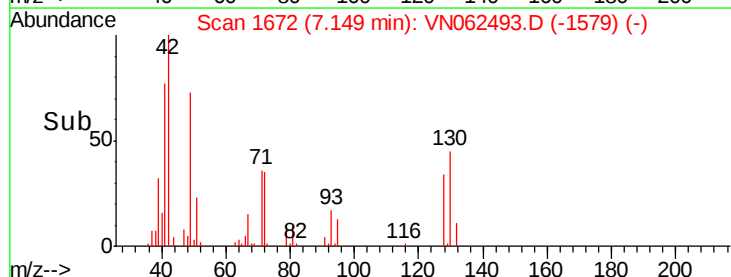
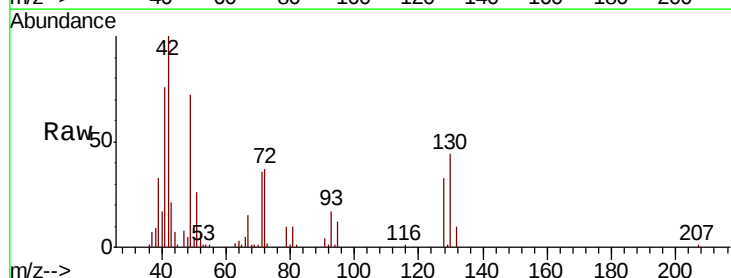
RT: 7.15 min Scan# 1672

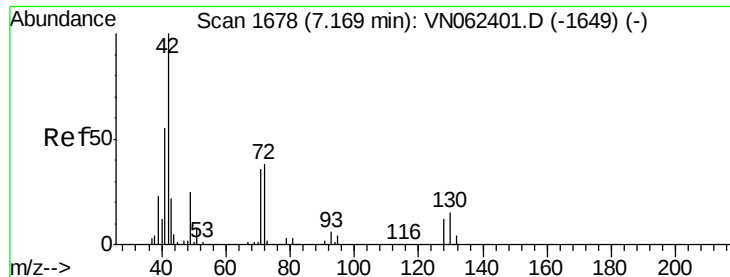
Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	49	Resp:	47999
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.8
130	61.9	46.5	69.7





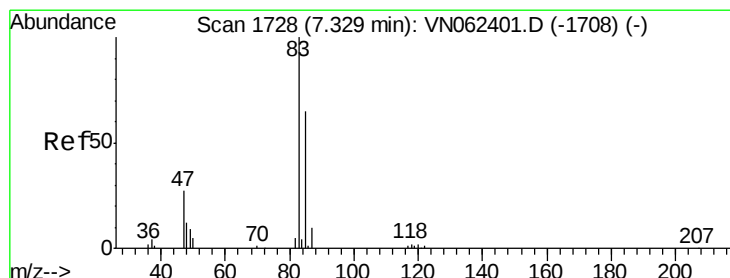
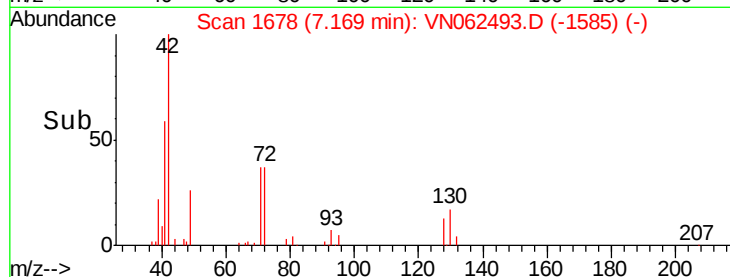
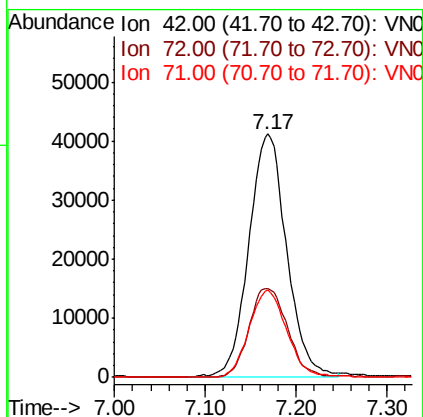
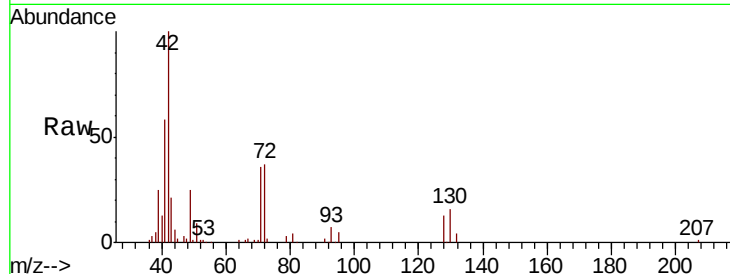
#29
Tetrahydrofuran
Concen: 97.069 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.1	43.7
71	35.6	28.1	42.1

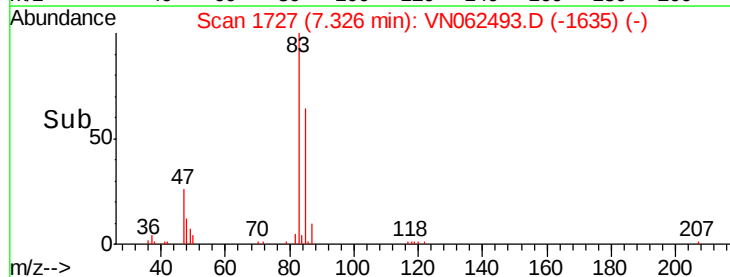
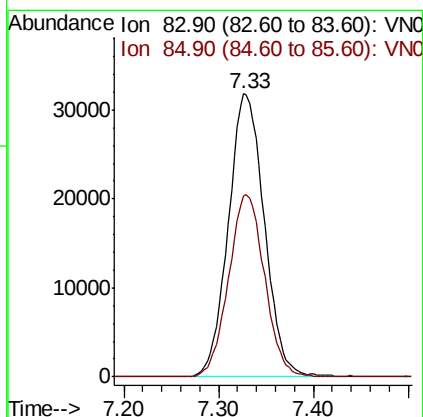
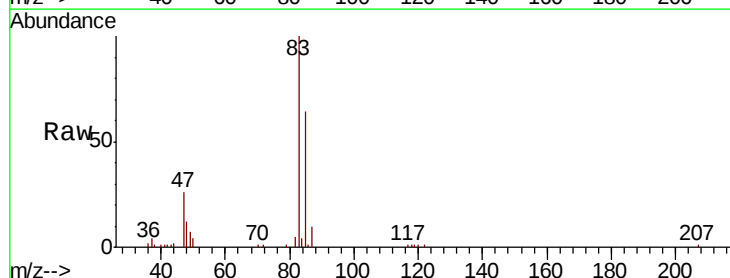
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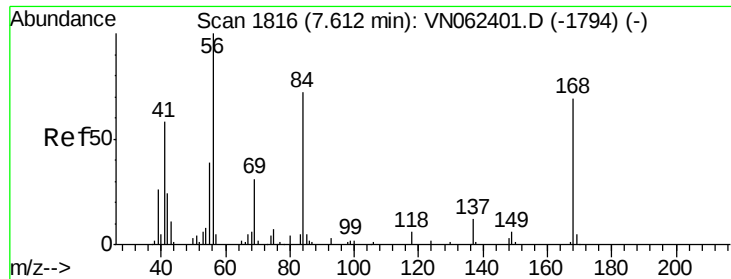
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#30
Chloroform
Concen: 19.776 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





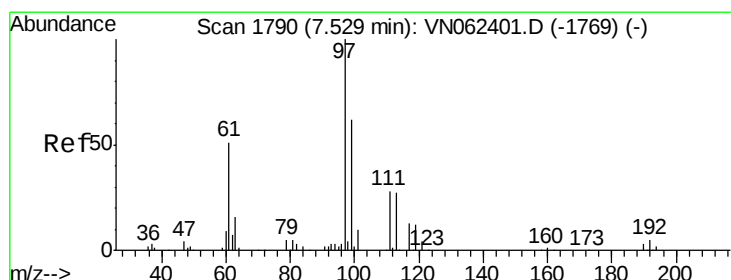
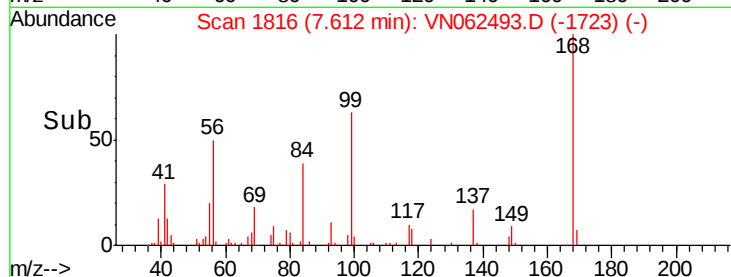
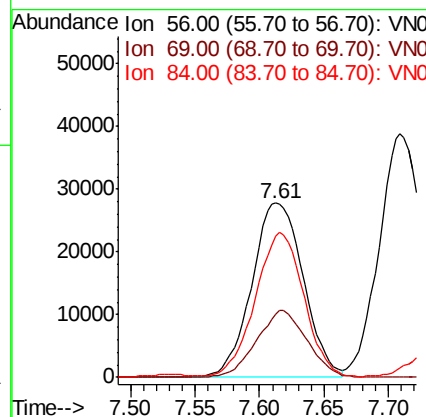
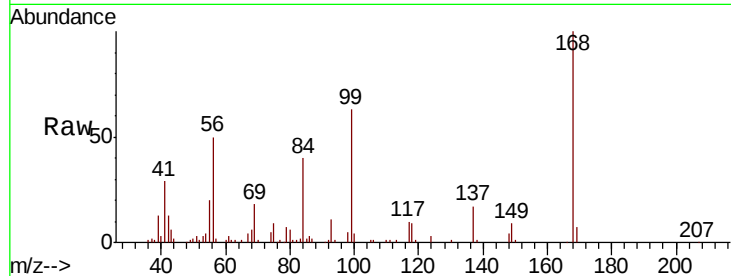
#31
Cyclohexane
Concen: 17.295 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	24.5	36.7
84	80.0	57.4	86.2

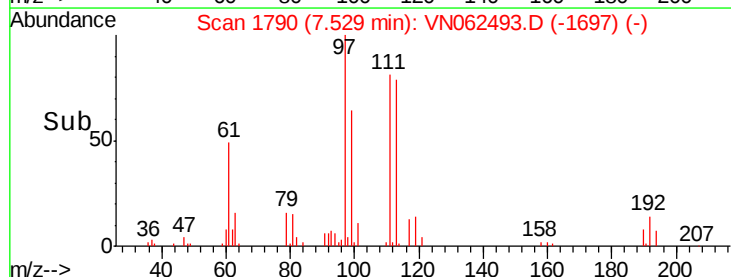
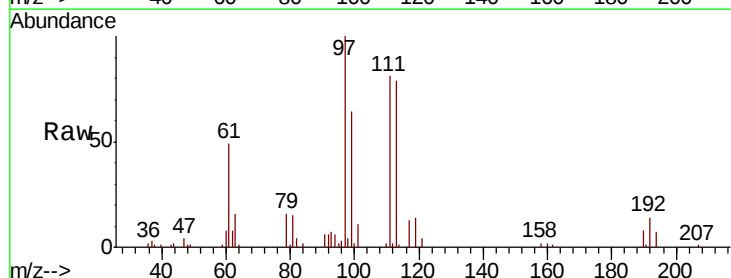
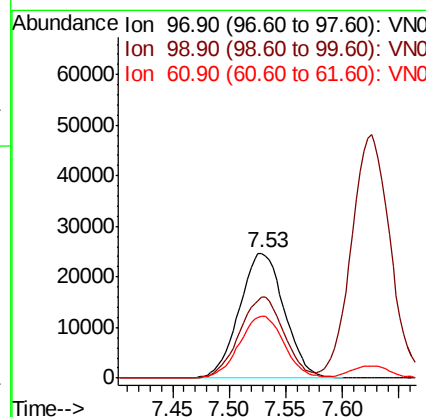
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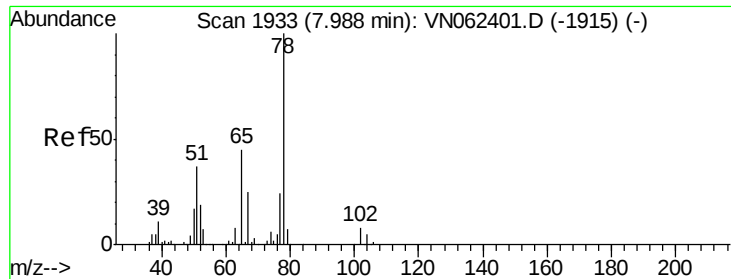
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#32
1,1,1-Trichloroethane
Concen: 19.226 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.4	75.6
61	49.5	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 51.526 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 65 Resp: 151675

Ion Ratio Lower Upper

65 100

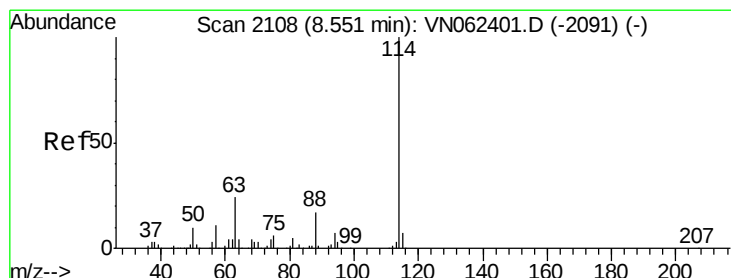
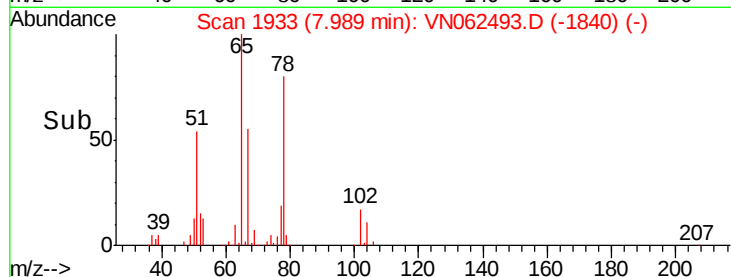
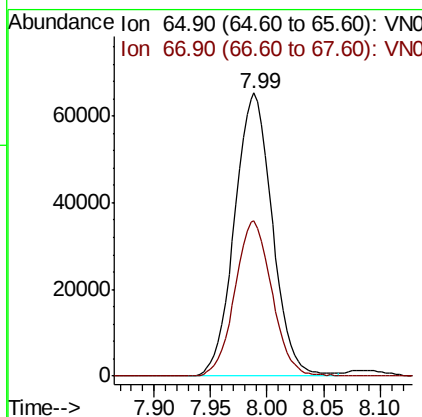
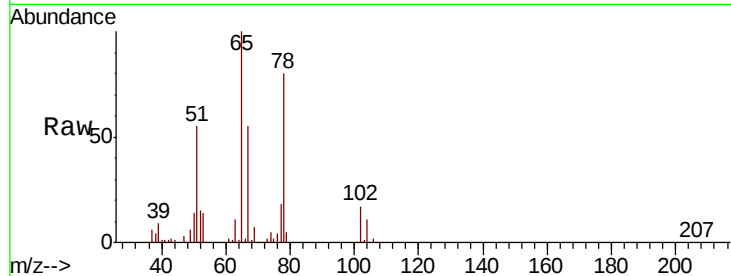
67 53.9 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

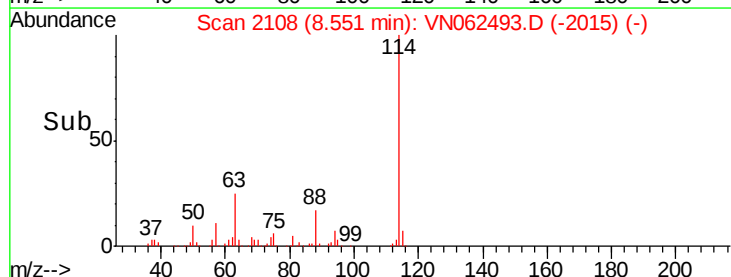
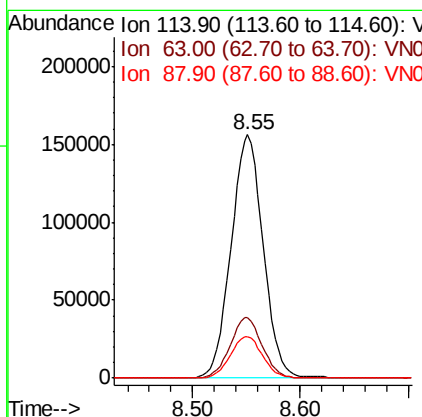
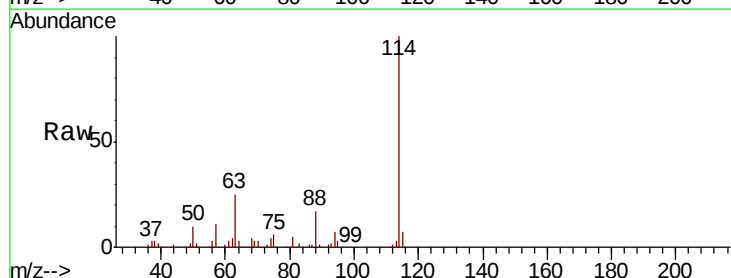
Tgt Ion: 114 Resp: 323754

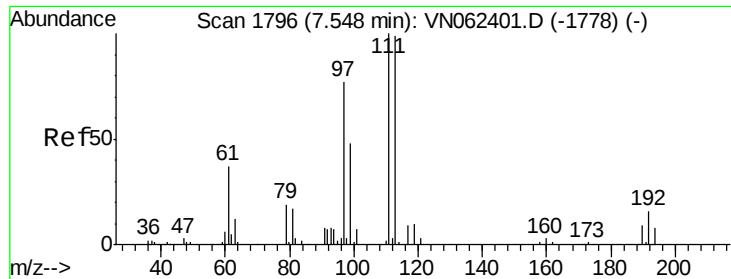
Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.4

88 17.1 0.0 33.8





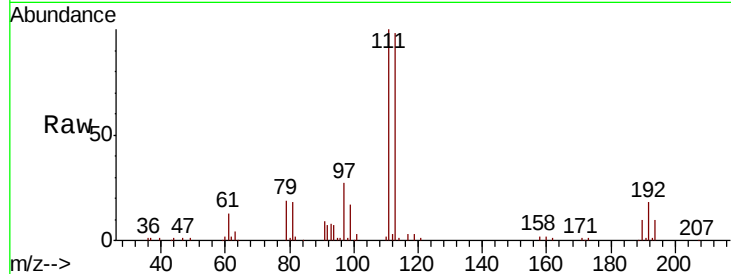
#35
 Dibromofluoromethane
 Concen: 54.015 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108096		
111	101.6	83.1	124.7	
192	18.4	14.1	21.1	

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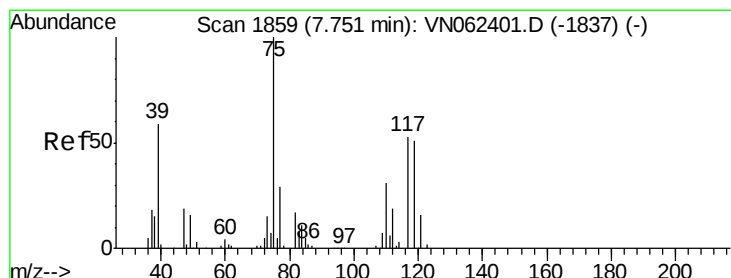
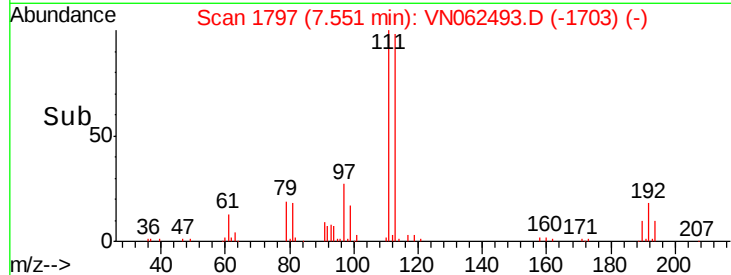
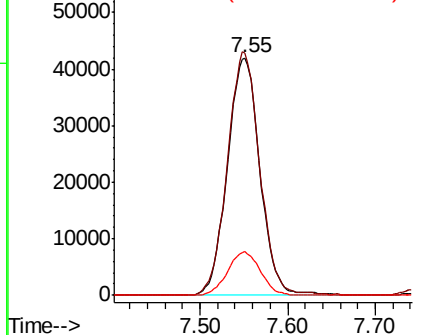


Abundance

Ion 112.80 (112.50 to 113.50): V

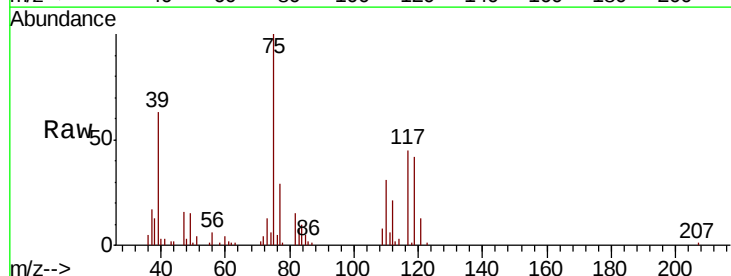
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.561 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60542		
110	30.5	15.4	46.2	
77	29.6	24.1	36.1	

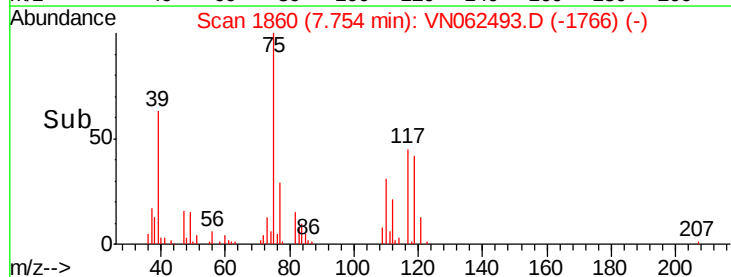
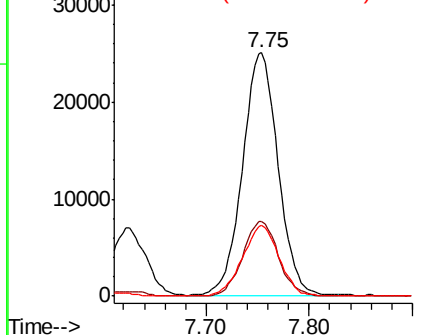


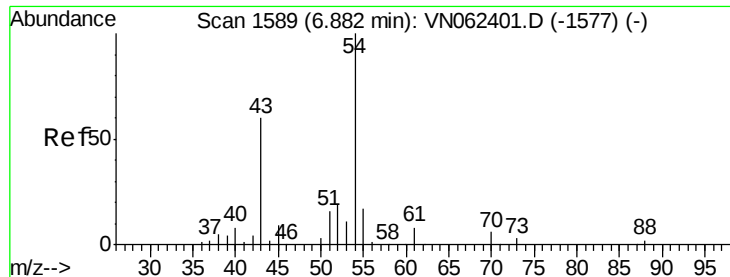
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





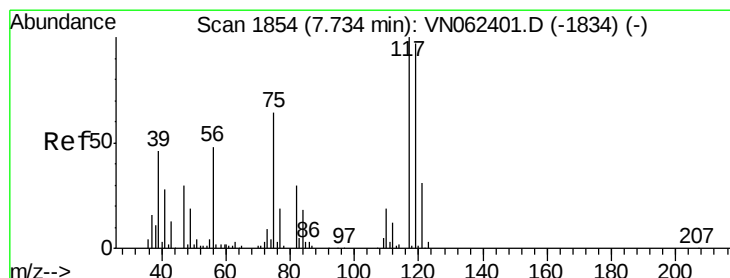
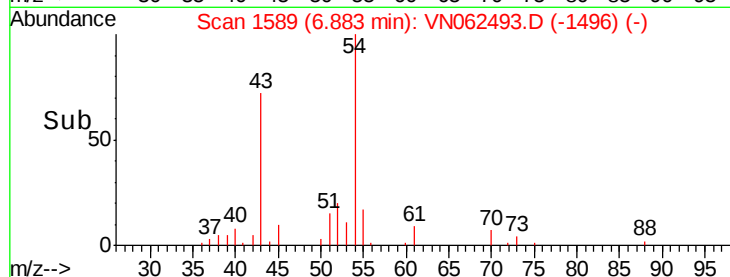
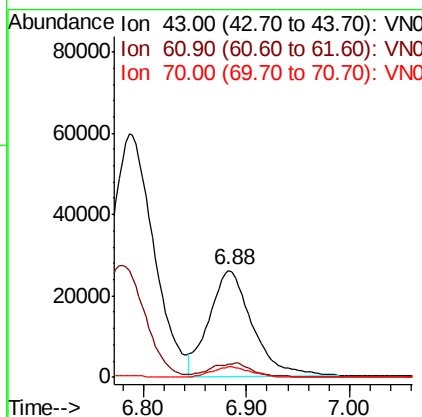
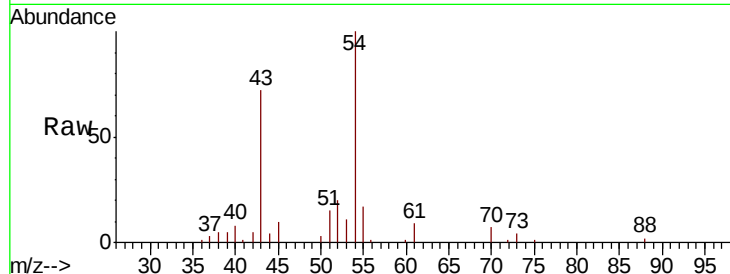
#37
Ethyl Acetate
Concen: 19.688 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	8.9	7.2	10.8

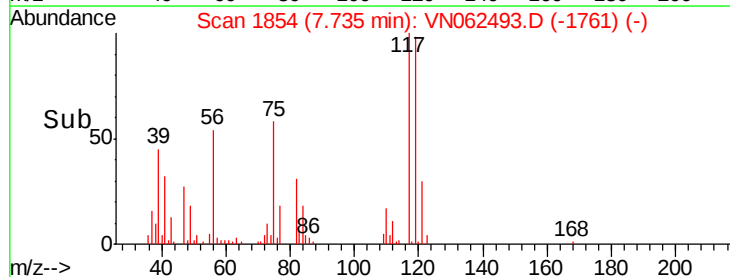
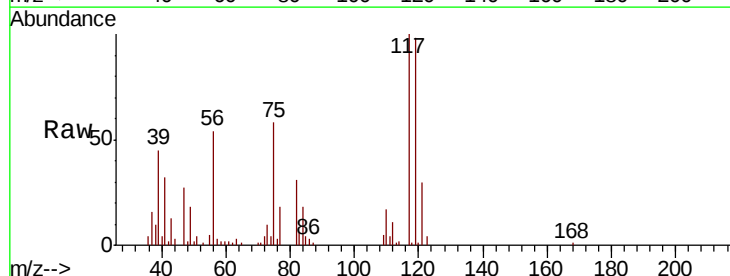
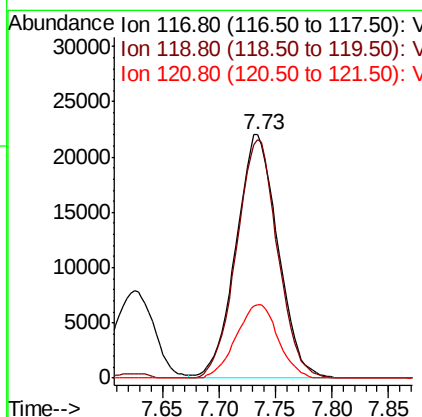
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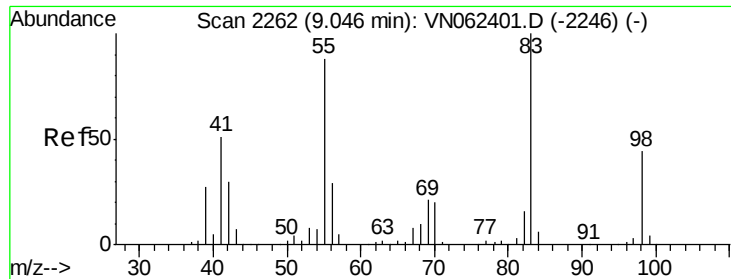
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#38
Carbon Tetrachloride
Concen: 19.389 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.2	115.8
121	30.2	24.8	37.2





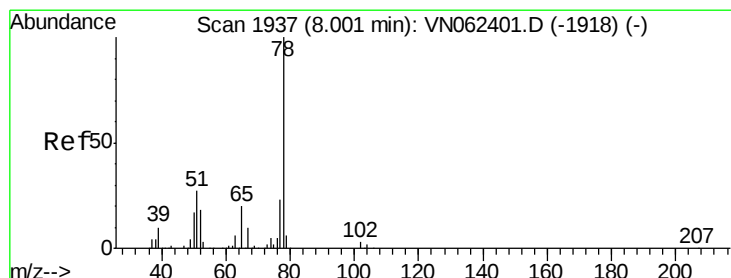
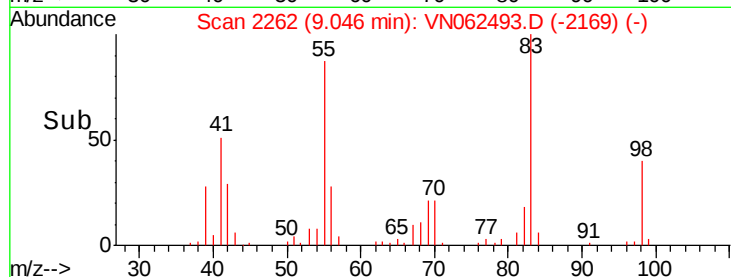
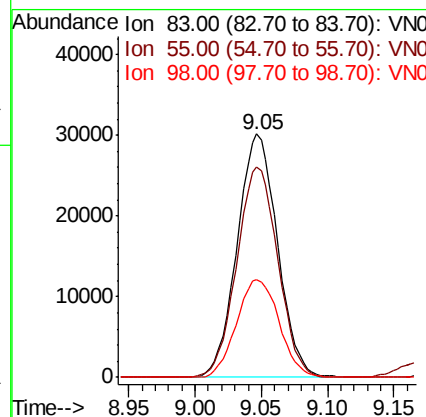
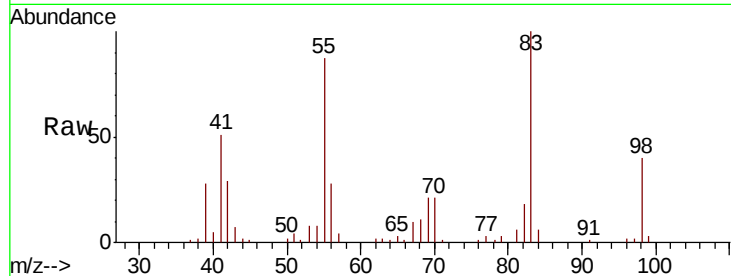
#39
Methvlcvclohexane
Concen: 18.266 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	70.5	105.7
98	40.3	35.5	53.3

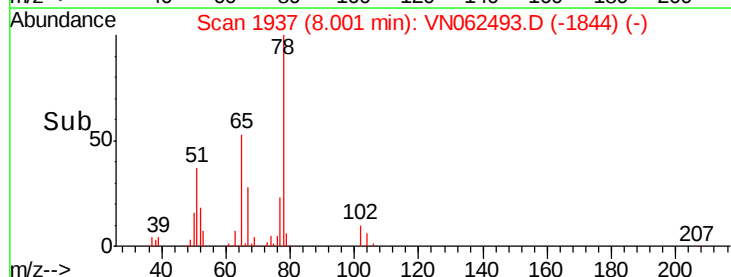
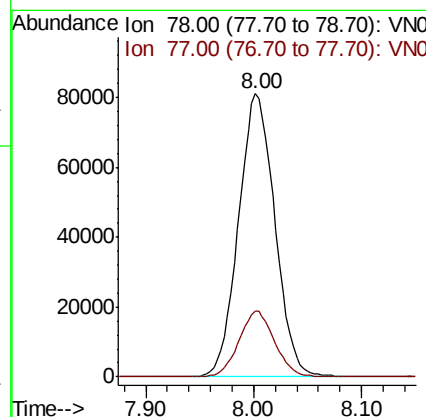
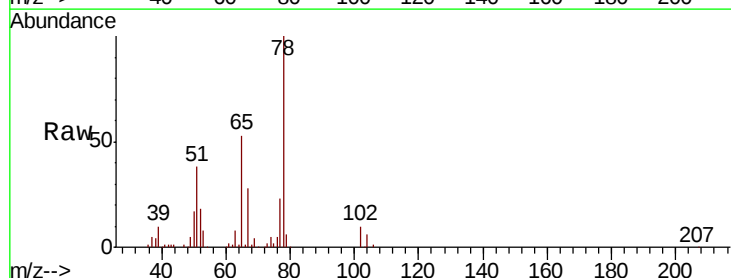
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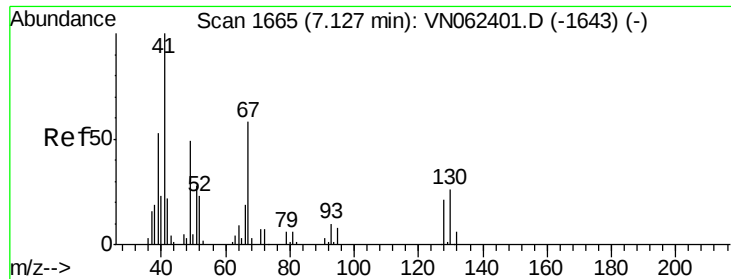
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#40
Benzene
Concen: 19.700 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





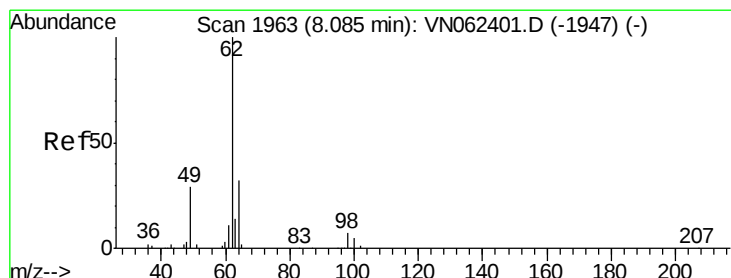
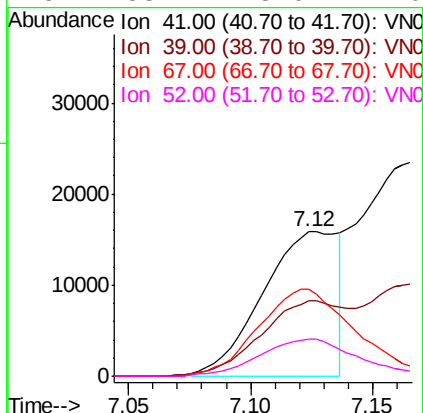
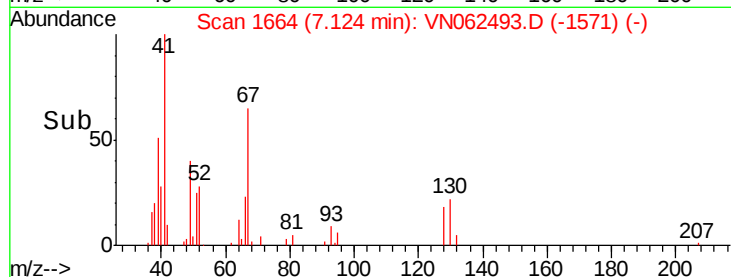
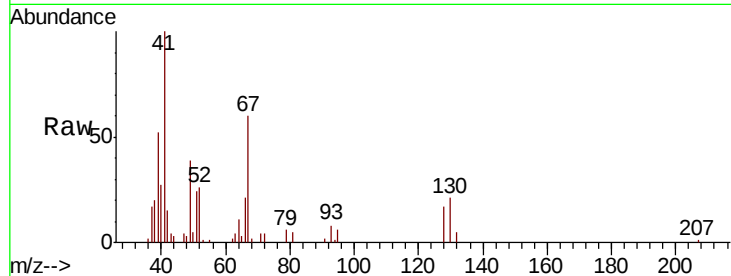
#41
Methacrylonitrile
Concen: 21.603 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.7	50.2	75.2	
67	77.0	64.2	96.2	
52	33.2	28.0	42.0	

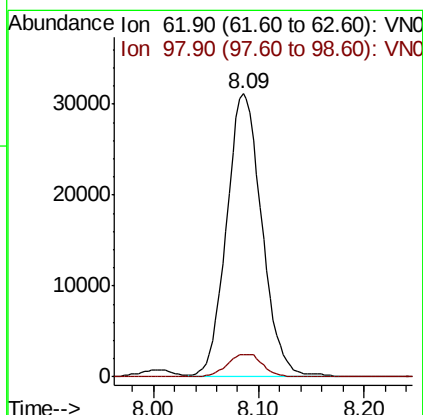
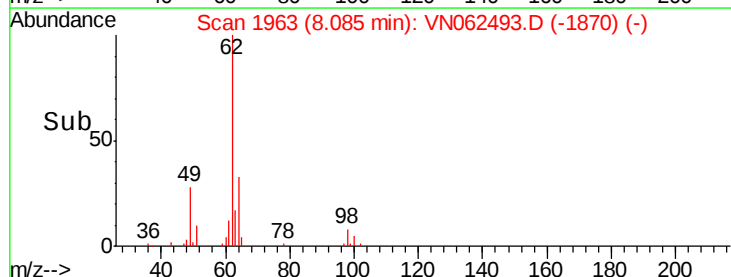
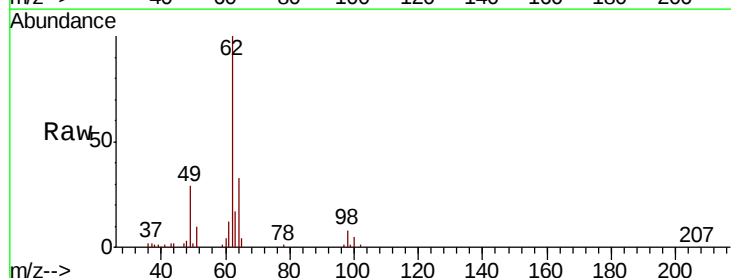
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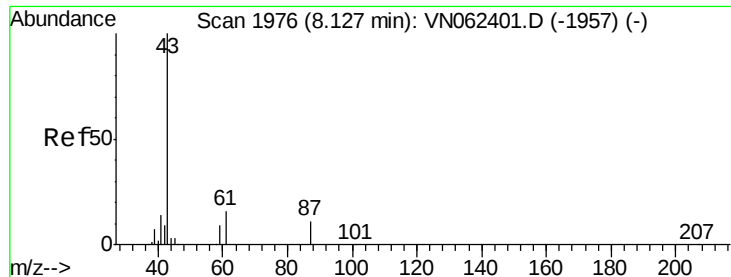
MMDadoda
7/13/2020 11:19:17 AM



#42
1,2-Dichloroethane
Concen: 20.596 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.8	





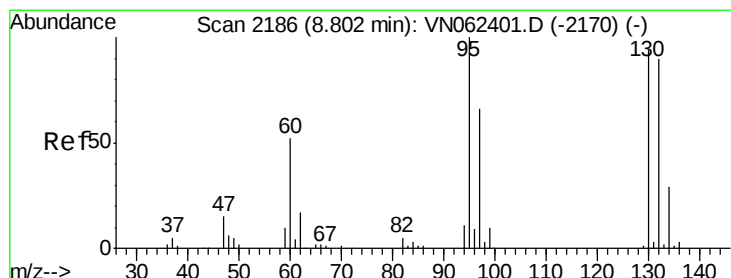
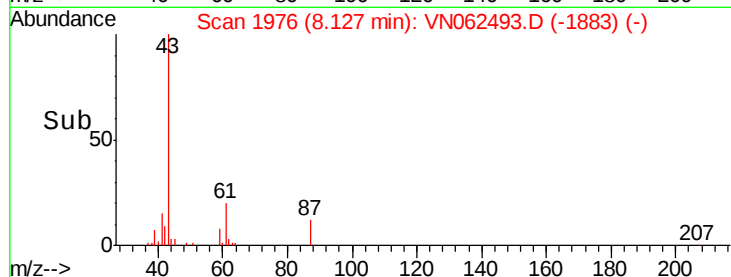
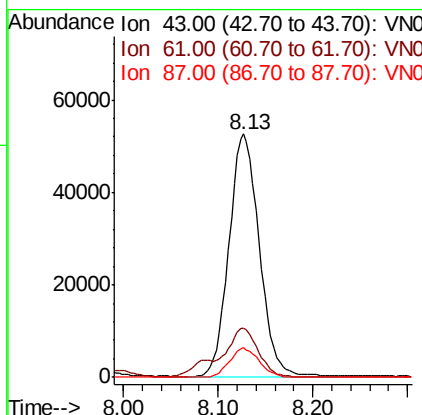
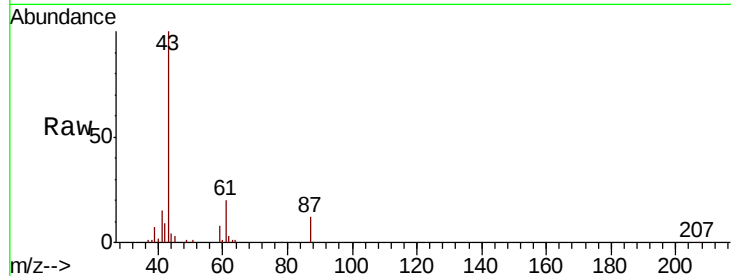
#43
Isopropyl Acetate
Concen: 19.620 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0710WBSD01

Tot Ion	43	Resp	118215
Ion Ratio	Lower	Upper	
43	100		
61	20.0	19.3	28.9
87	11.5	8.6	13.0

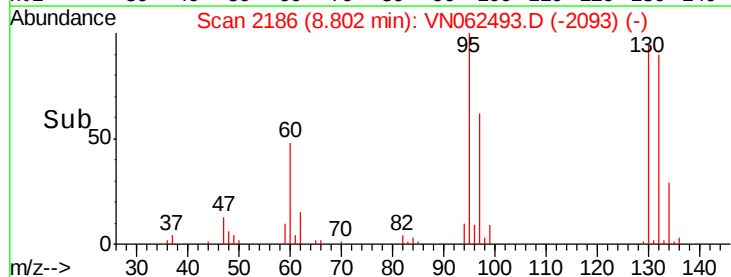
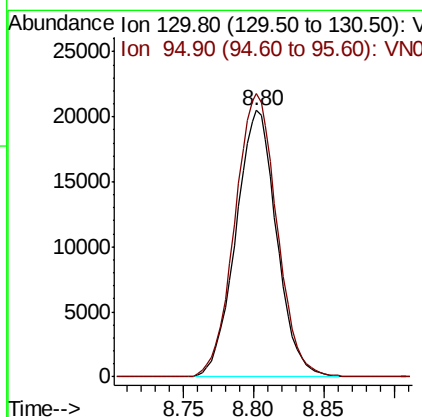
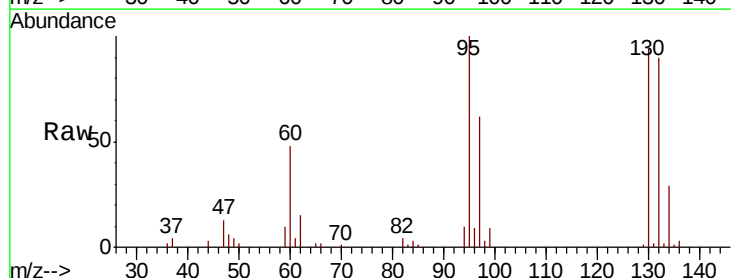
Manual Integrations
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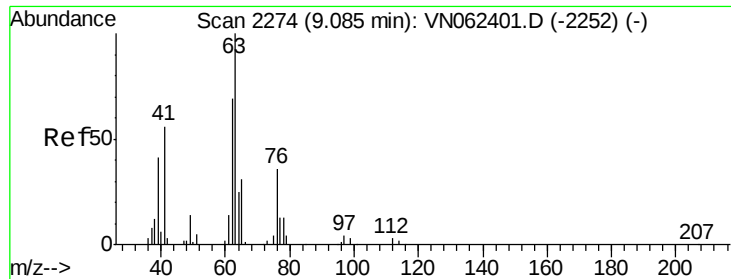
MMDadoda
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#44
Trichloroethene
Concen: 19.429 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	130	Resp	41441
Ion Ratio	Lower	Upper	
130	100		
95	106.3	0.0	213.8





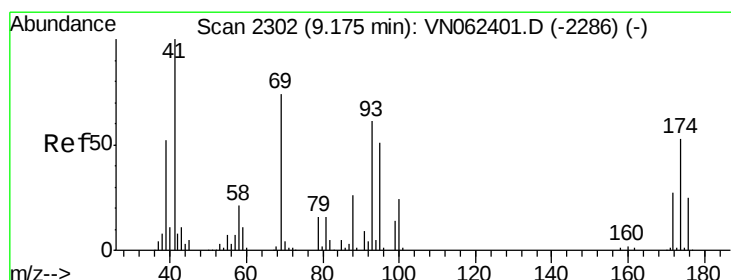
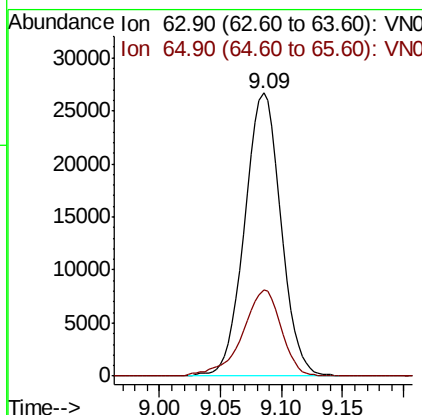
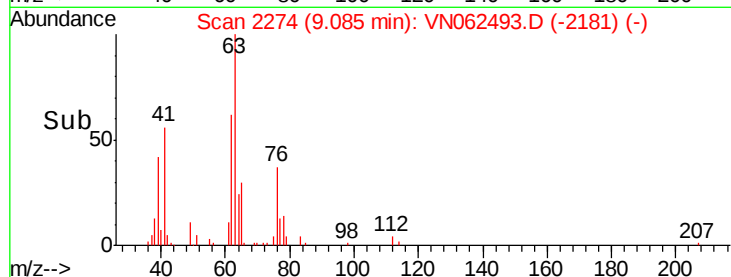
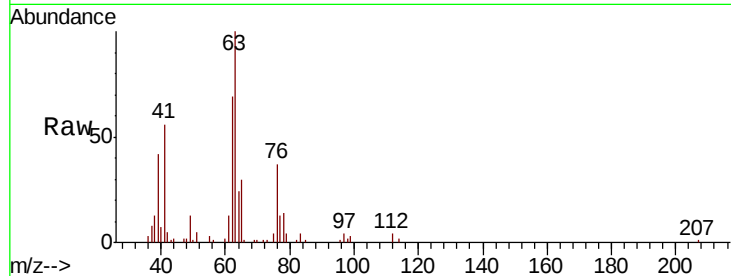
#45
 1,2-Dichloropropane
 Concen: 19.649 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	63	Resp	54834
Ion Ratio	100	Lower	Upper
63	100		
65	30.3	24.6	36.8

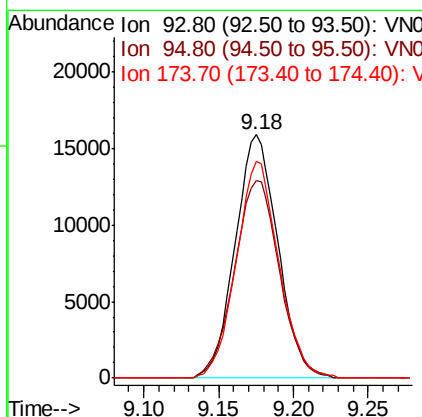
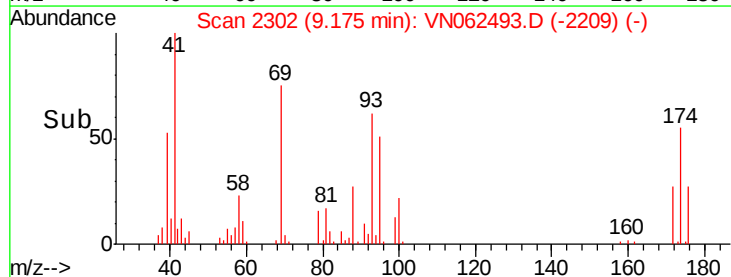
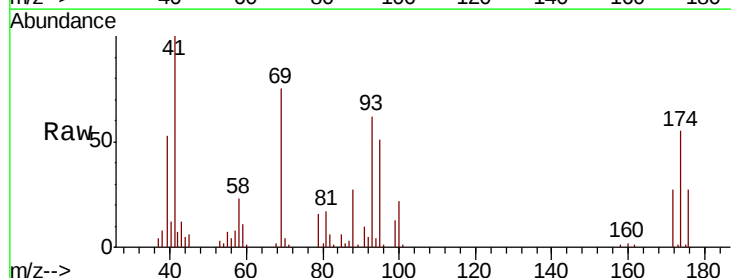
Manual Integrations
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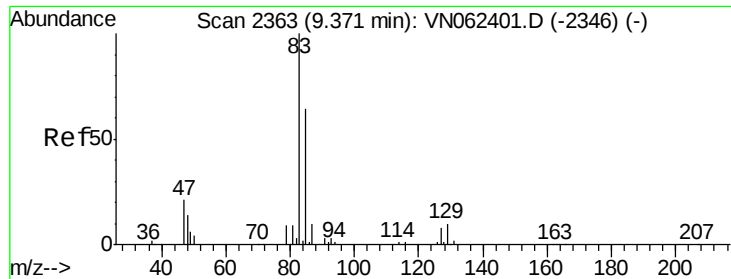
MMDadoda
 7/13/2020 11:19:17 AM



#46
 Dibromomethane
 Concen: 20.094 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	93	Resp	31645
Ion Ratio	100	Lower	Upper
93	100		
95	85.5	67.1	100.7
174	88.5	70.4	105.6





#47

Bromodichloromethane

Concen: 19.993 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

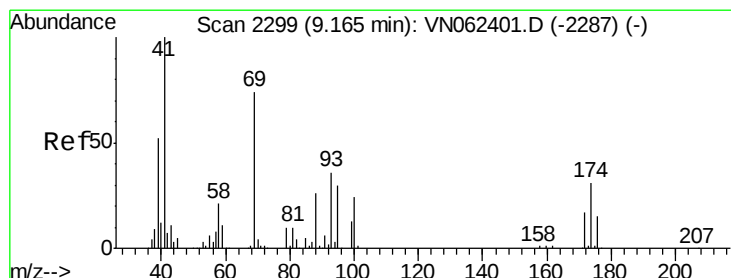
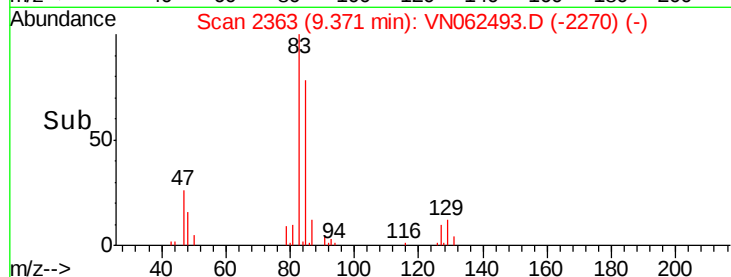
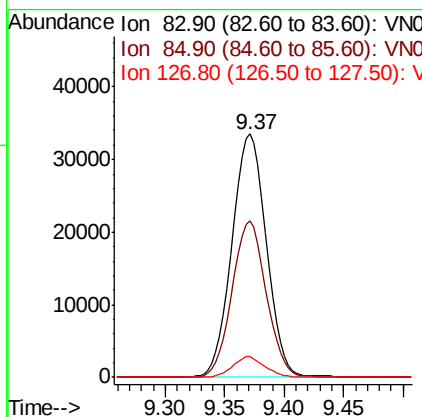
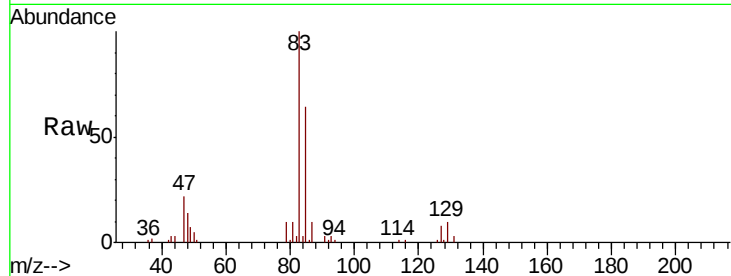
ClientSampleId :

VN0710WBSD01

Tot Ion:	83	Resp:	67317
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.5	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.231 ug/l

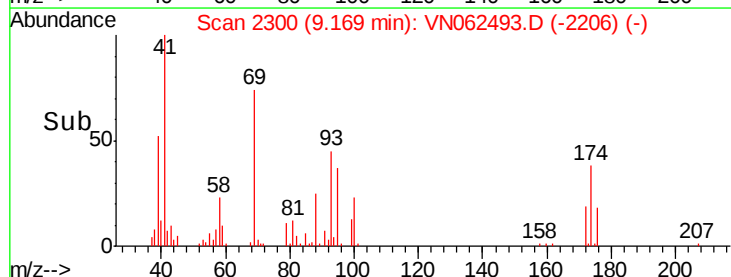
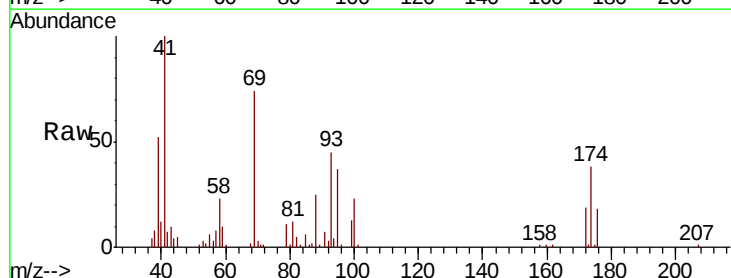
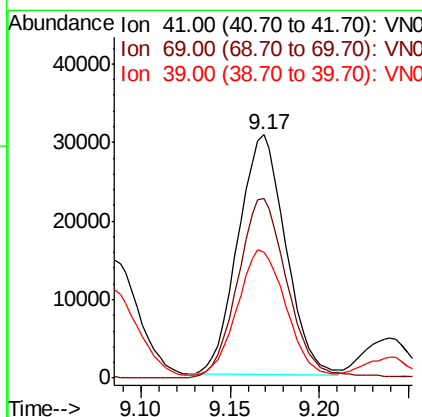
RT: 9.17 min Scan# 2300

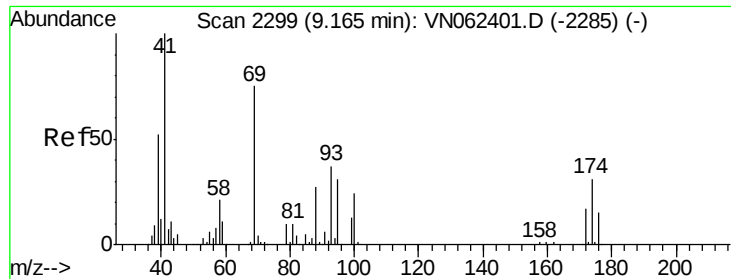
Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	41	Resp:	56838
Ion	Ratio	Lower	Upper
41	100		
69	78.5	60.8	91.2
39	54.9	43.5	65.3





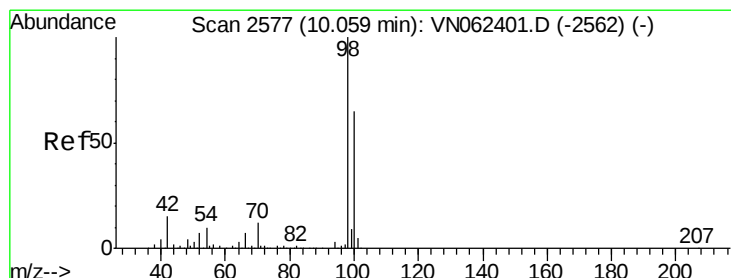
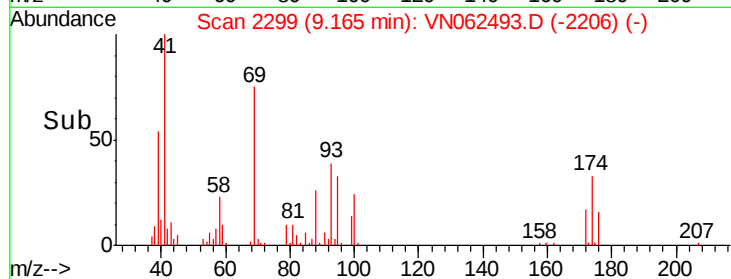
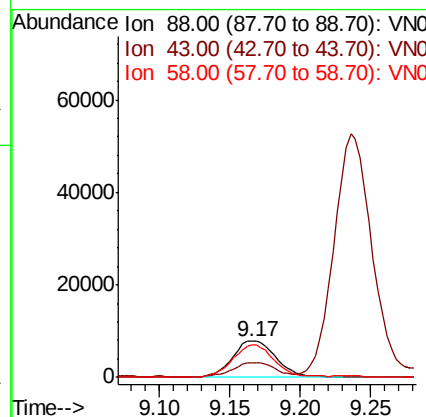
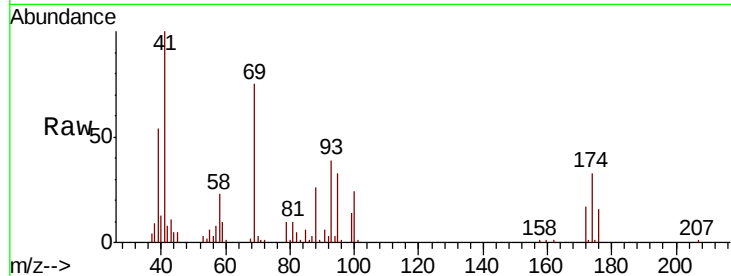
#49
1,4-Dioxane
Concen: 394.557 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	16973		
43	41.6		31.0	46.4
58	85.6		63.3	94.9

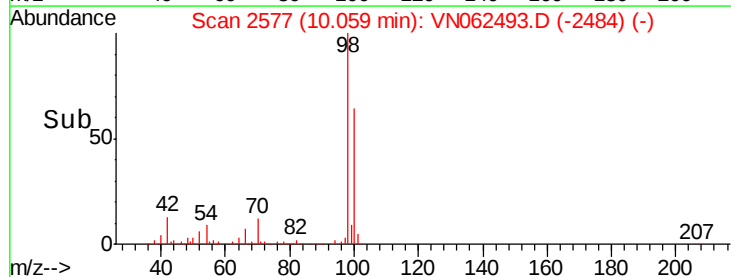
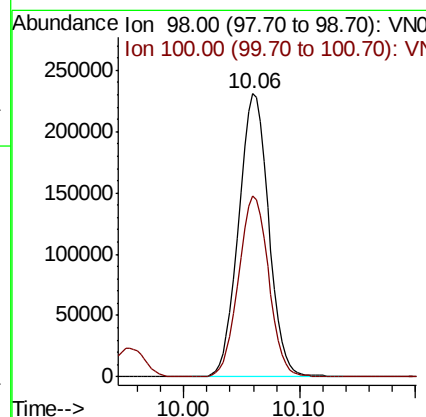
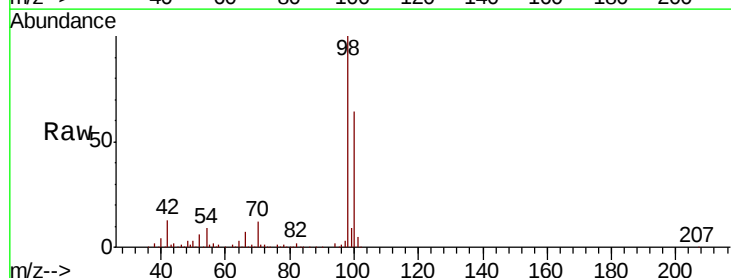
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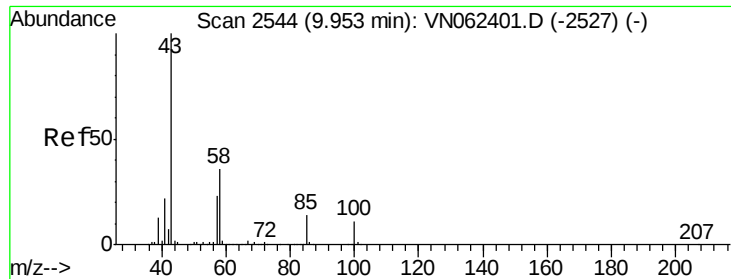
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#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	414824		
100	64.3		51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 102.839 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 43 Resp: 370086

Ion Ratio Lower Upper

43 100

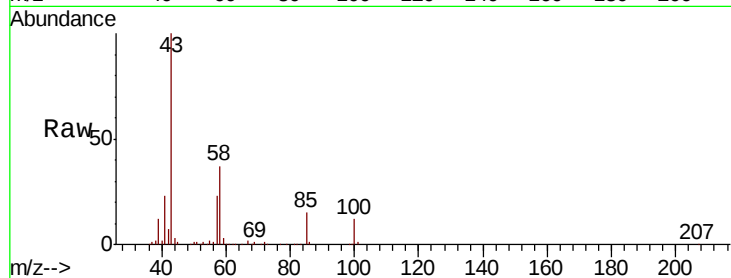
58 36.6 29.0 43.6

Manual Integrations

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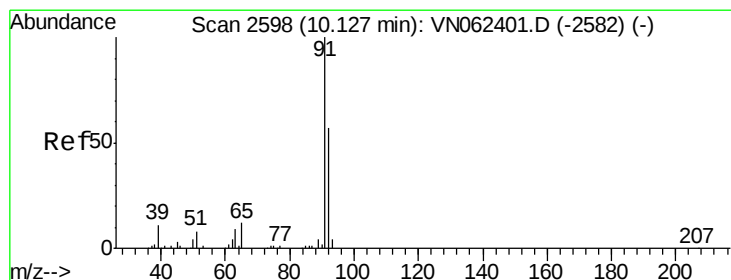
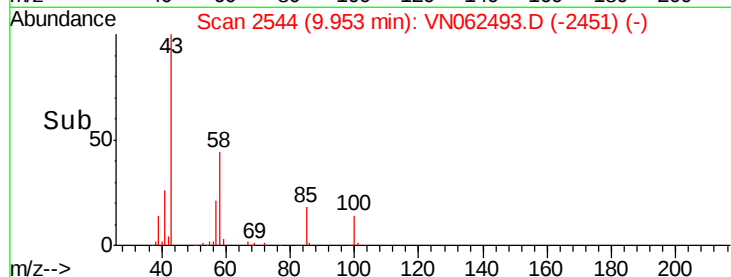
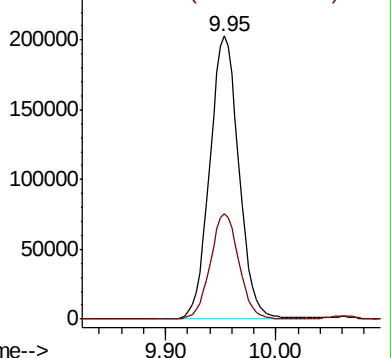
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.798 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062493.D

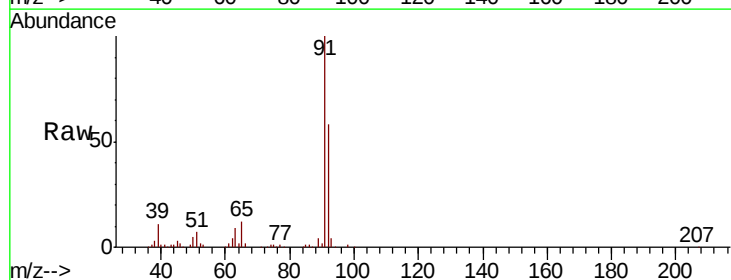
Acq: 10 Jul 2020 15:07

Tgt Ion: 92 Resp: 109931

Ion Ratio Lower Upper

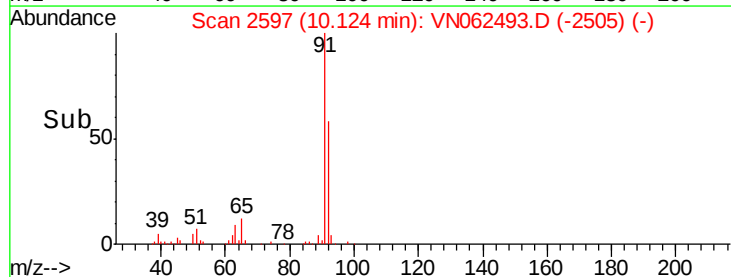
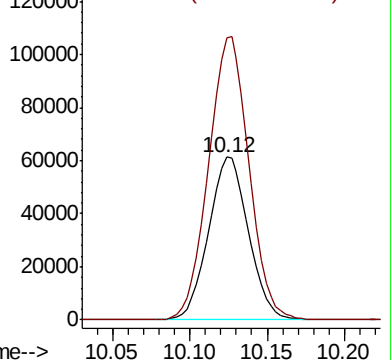
92 100

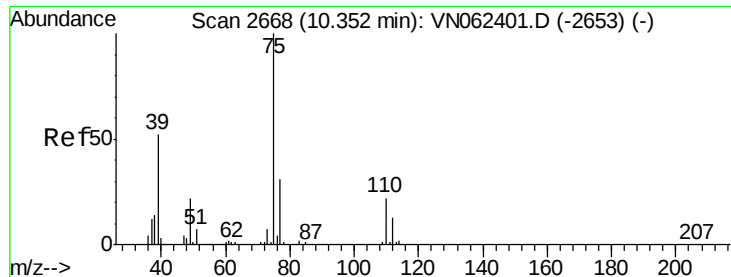
91 176.3 141.0 211.6



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: 19.795 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 75 Resp: 74670

Ion Ratio Lower Upper

75 100

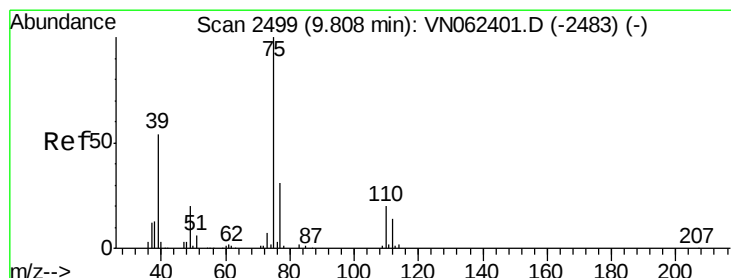
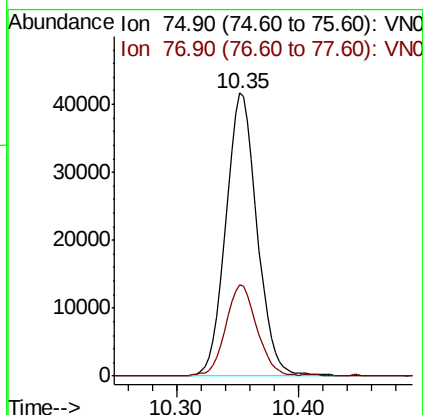
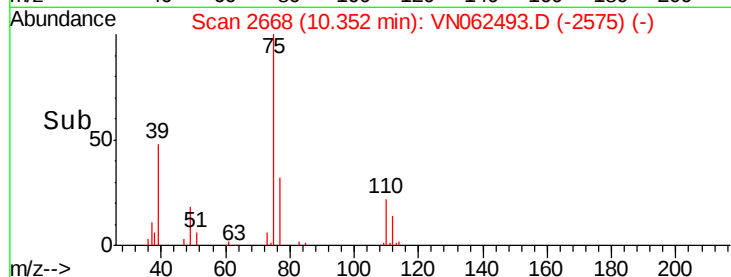
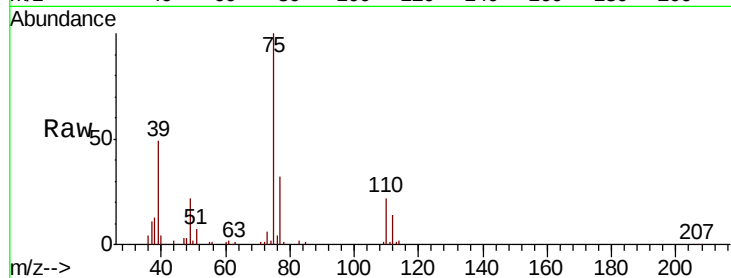
77 32.4 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.743 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

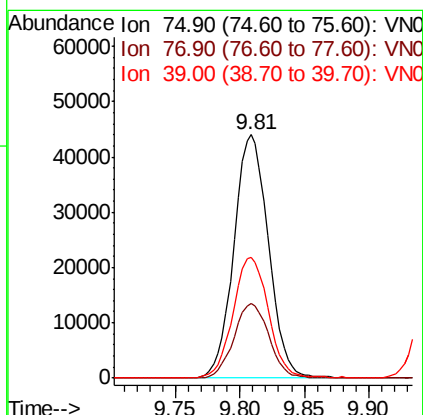
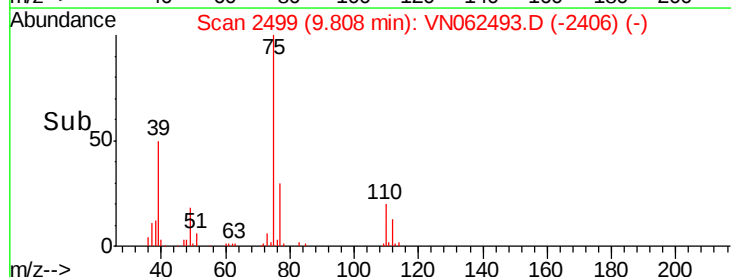
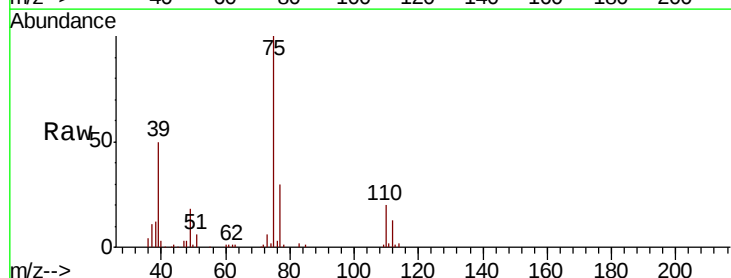
Tgt Ion: 75 Resp: 82172

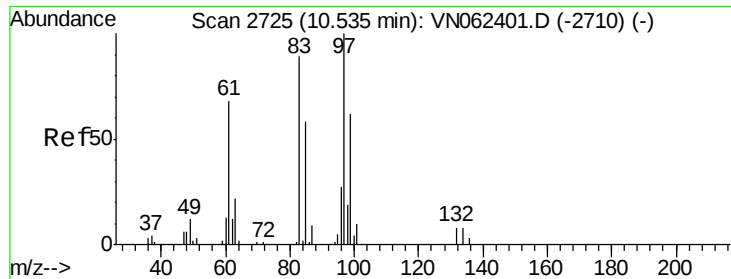
Ion Ratio Lower Upper

75 100

77 30.4 24.5 36.7

39 49.8 43.4 65.0





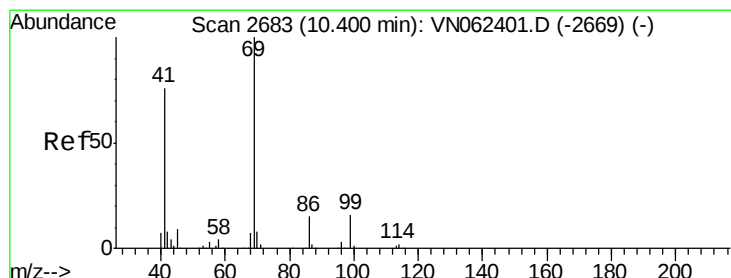
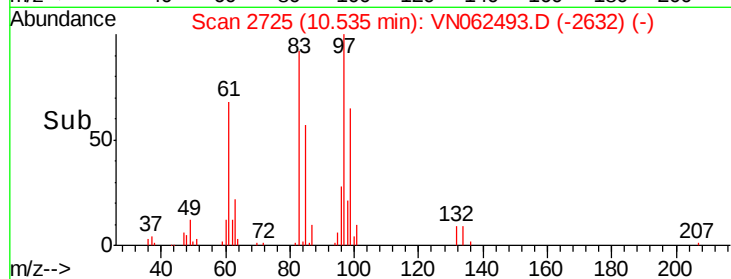
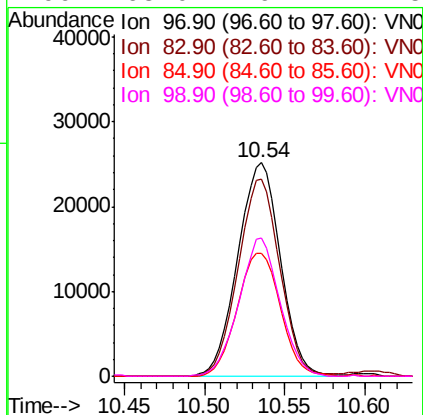
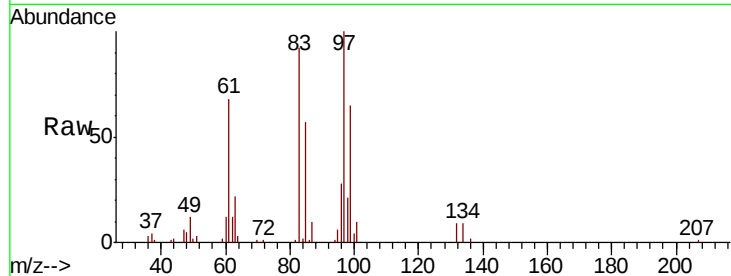
#55
 1,1,2-Trichloroethane
 Concen: 21.047 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.0	106.4
85	57.3	46.2	69.4
99	65.0	49.7	74.5

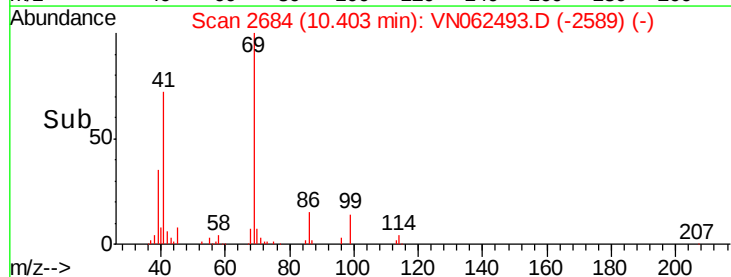
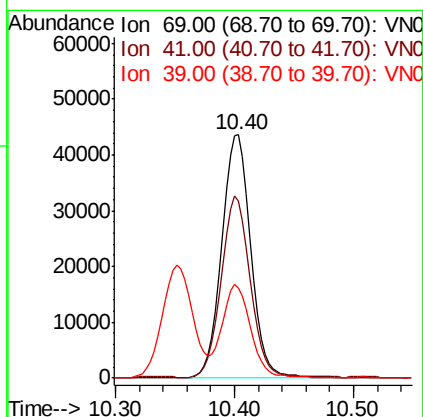
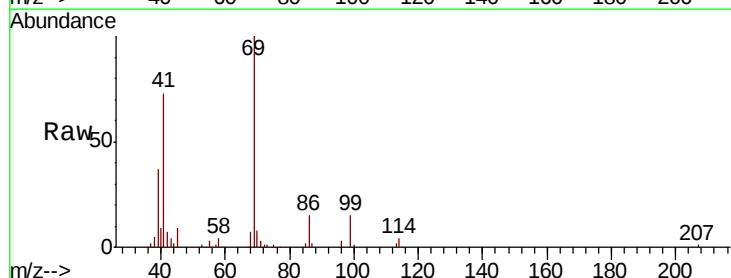
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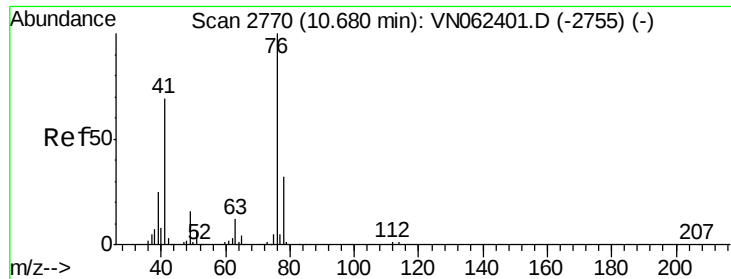
MMDadoda
 7/13/2020 11:19:17 AM



#56
 Ethyl methacrylate
 Concen: 19.505 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.7	89.5
39	37.6	30.6	45.8





#57

1,3-Dichloropropane

Concen: 20.832 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 76 Resp: 84051

Ion Ratio Lower Upper

76 100

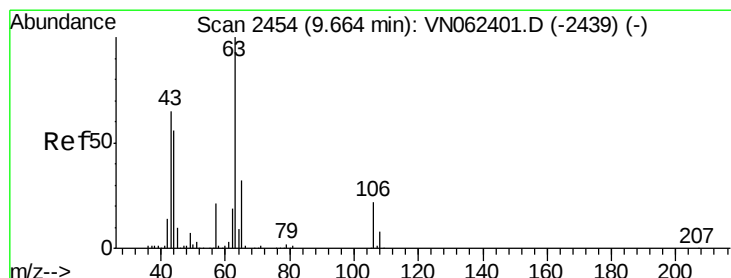
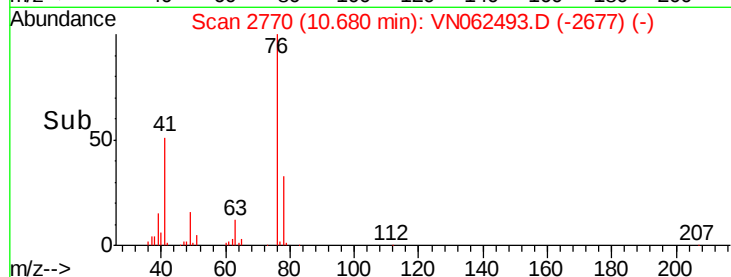
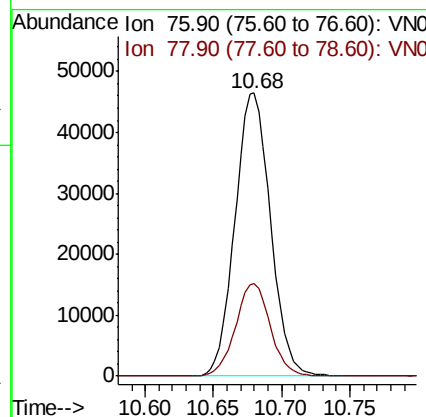
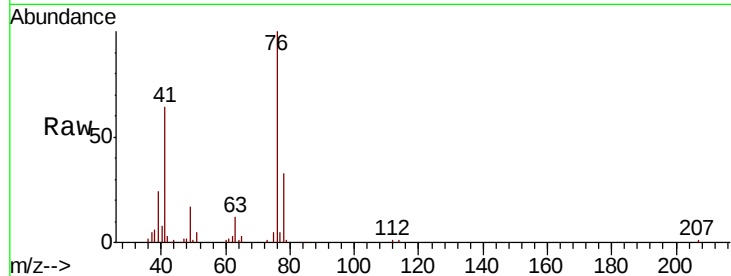
78 32.0 25.6 38.4

Manual Integrations

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7/13/2020 11:19:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.382 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062493.D

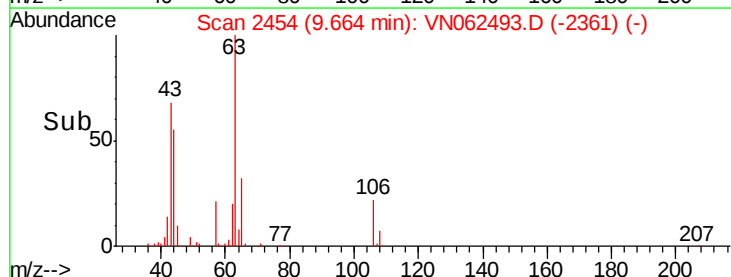
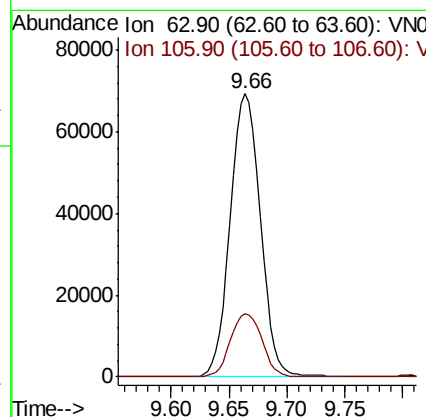
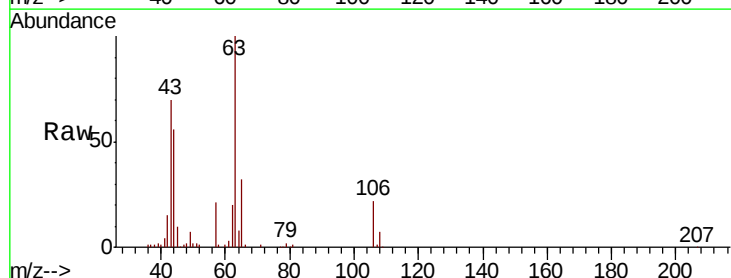
Acq: 10 Jul 2020 15:07

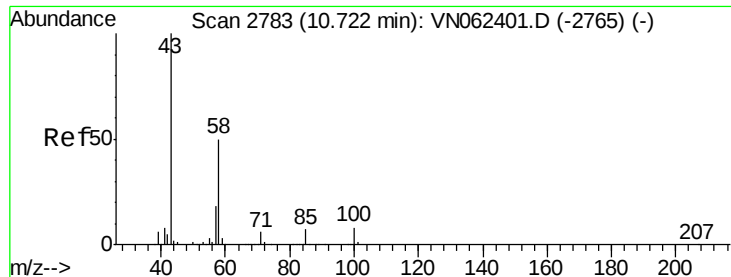
Tgt Ion: 63 Resp: 124875

Ion Ratio Lower Upper

63 100

106 23.2 17.6 26.4





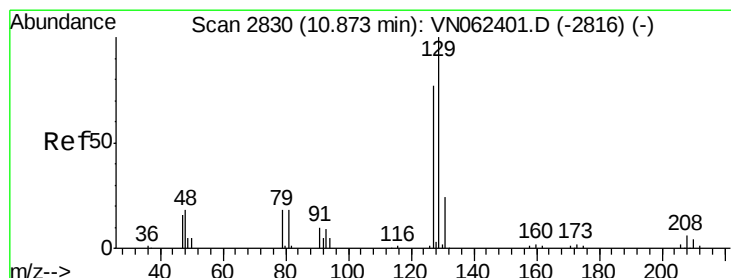
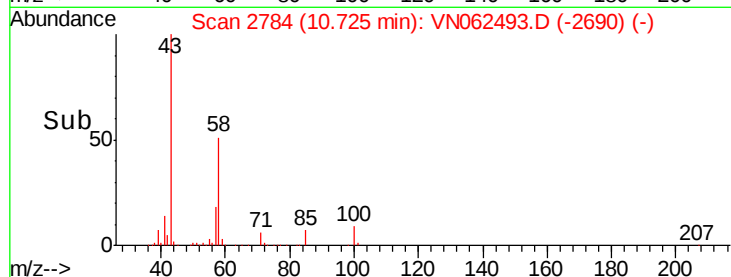
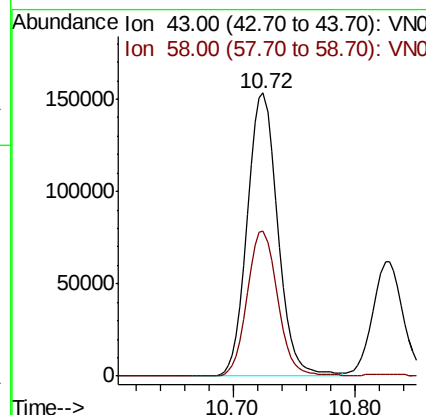
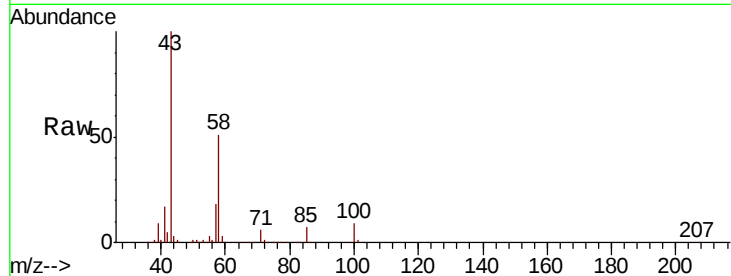
#59
2-Hexanone
Concen: 100.982 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	43	Resp	263819
Ion Ratio	43	100	
Lower	58	51.3	25.1
Upper			75.2

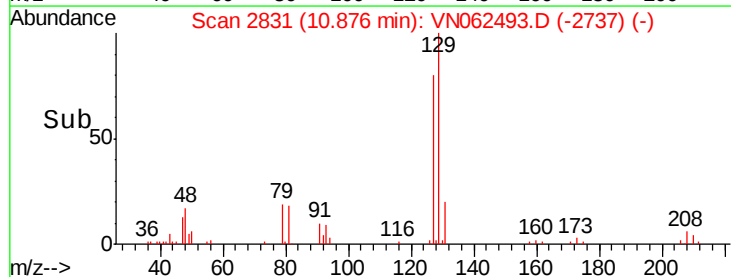
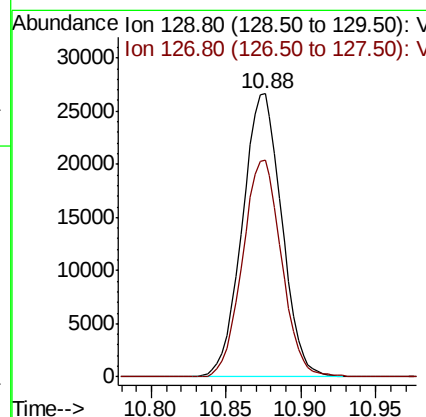
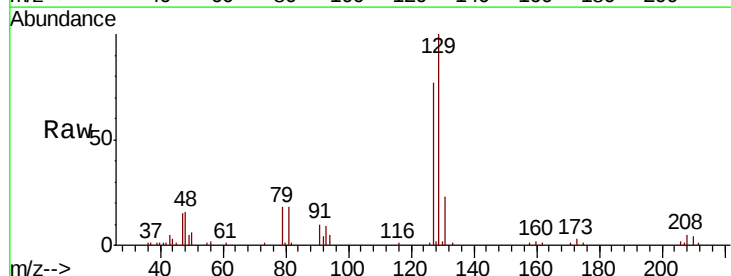
Manual Integrations
APPROVED

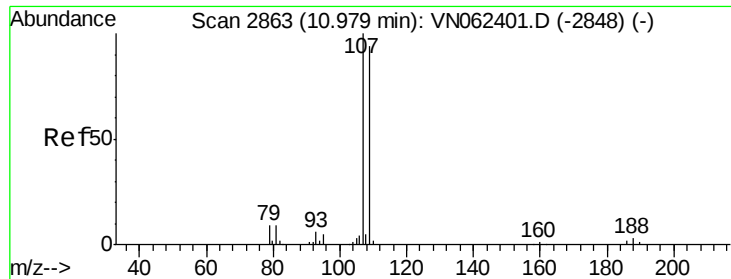
MMDadoda
7/13/2020 11:19:17 AM



#60
Dibromochloromethane
Concen: 20.647 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	129	Resp	48890
Ion Ratio	129	100	
Lower	127	75.6	38.6
Upper			115.8





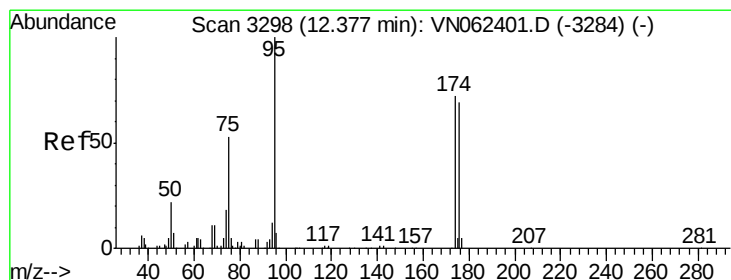
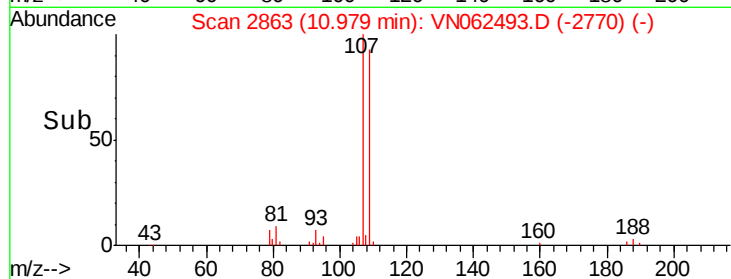
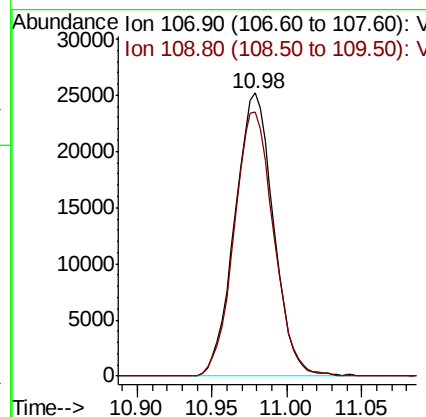
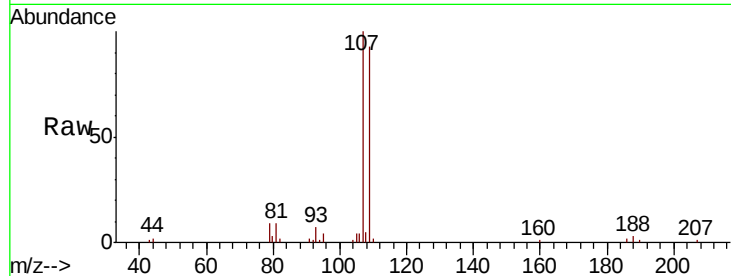
#61
 1,2-Dibromoethane
 Concen: 20.584 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.6	113.4

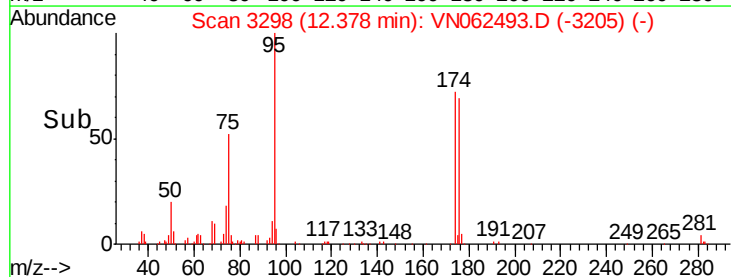
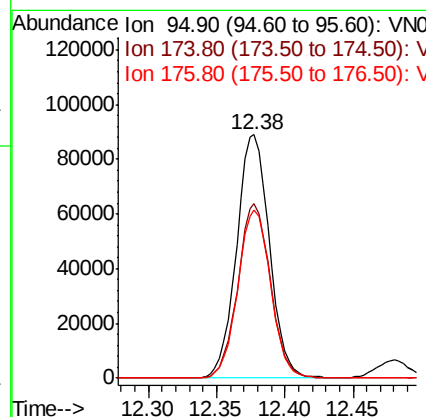
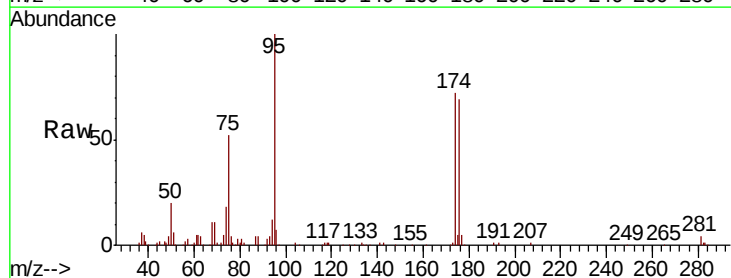
Manual Integrations
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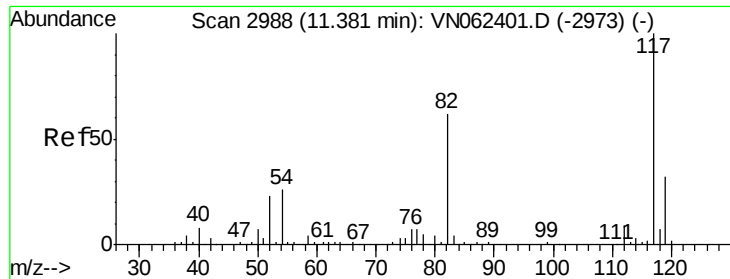
MMDadoda
 7/13/2020 11:19:17 AM



#62
 4-Bromofluorobenzene
 Concen: 51.611 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	141.6
176	68.9	0.0	137.2





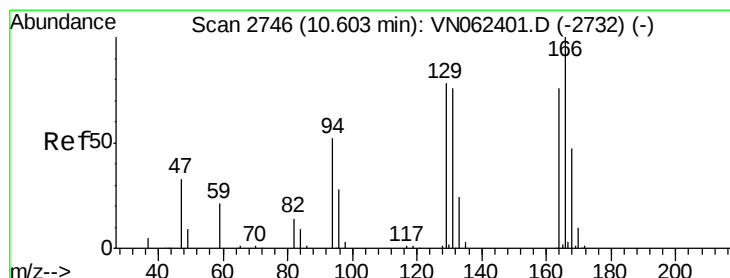
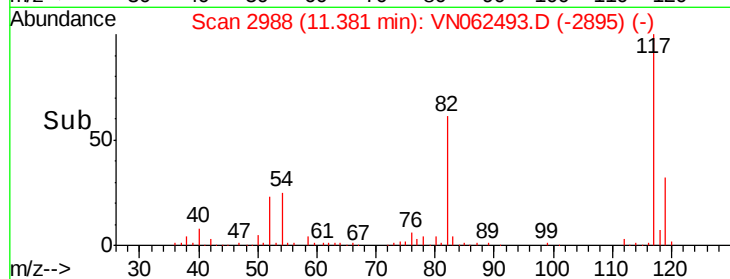
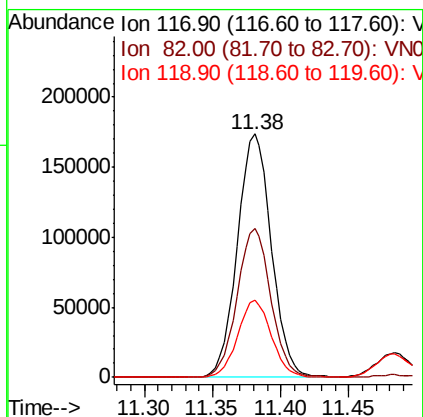
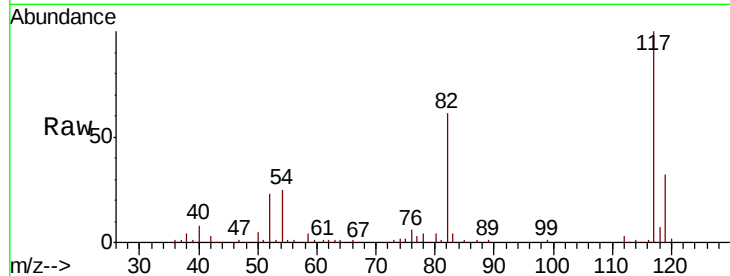
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.6	74.4
119	31.5	25.4	38.0

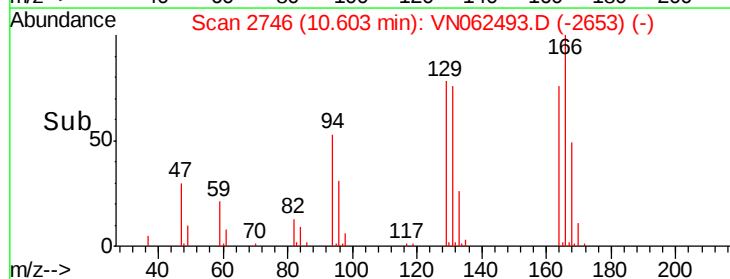
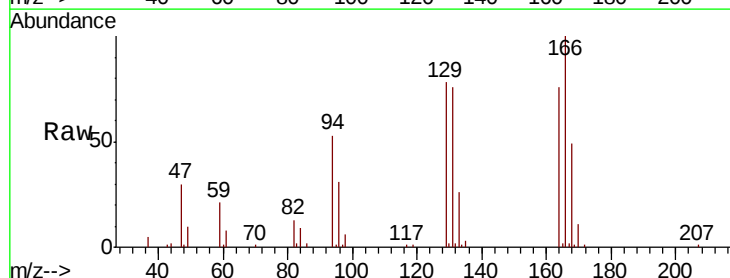
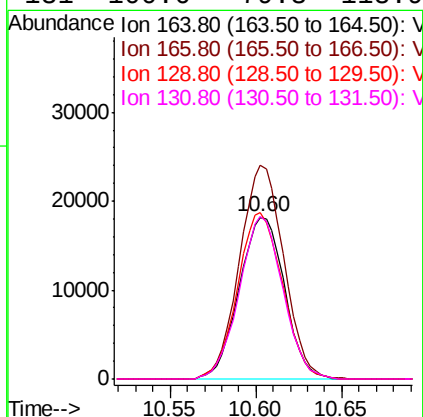
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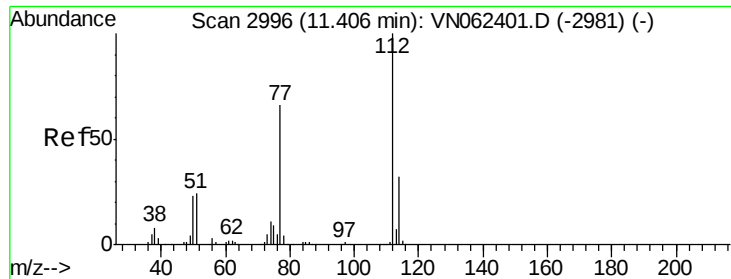
MMDadoda
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#64
Tetrachloroethene
Concen: 18.550 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	104.9	157.3
129	103.1	81.8	122.6
131	100.6	79.3	118.9





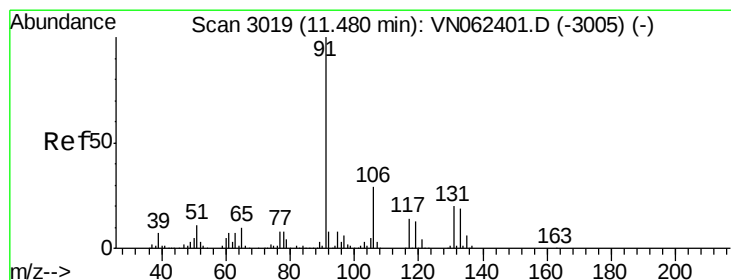
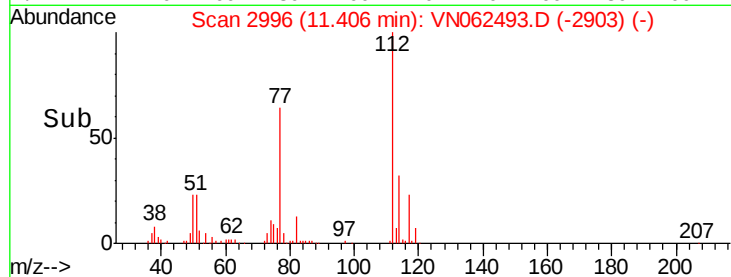
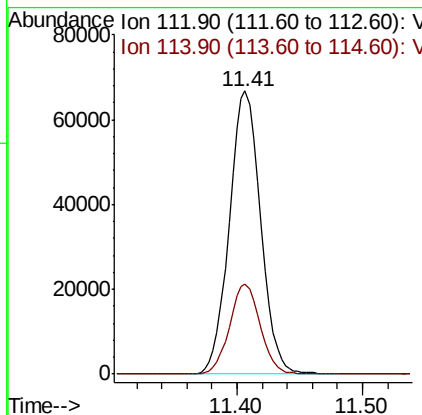
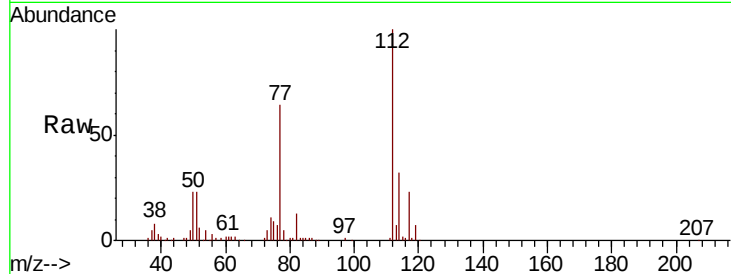
#65
Chlorobenzene
Concen: 19.701 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

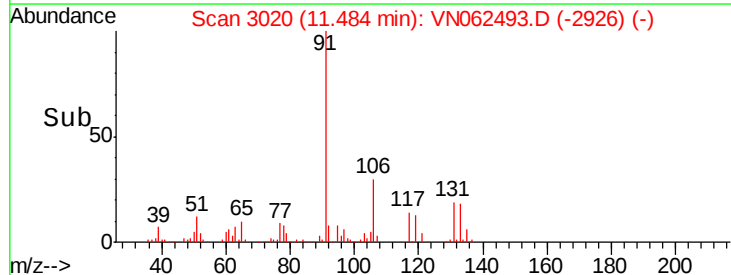
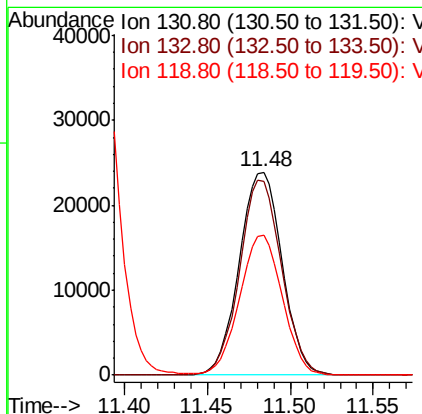
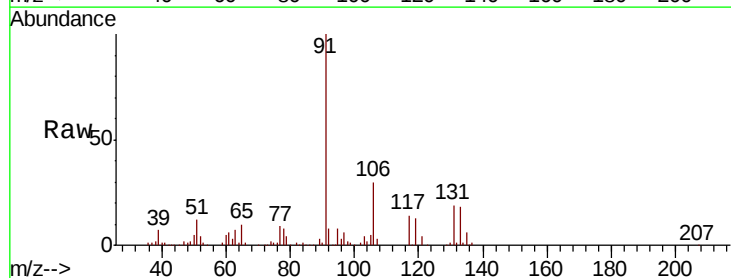
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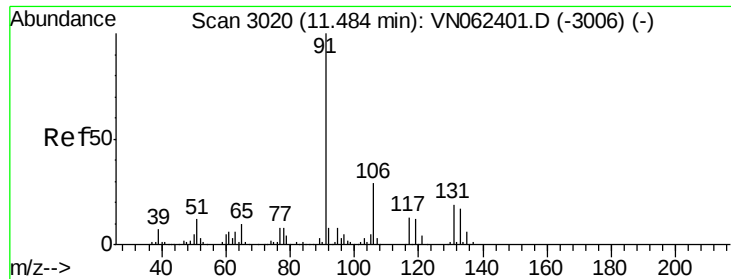
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.851 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	46.9	140.8
119	68.7	33.2	99.6





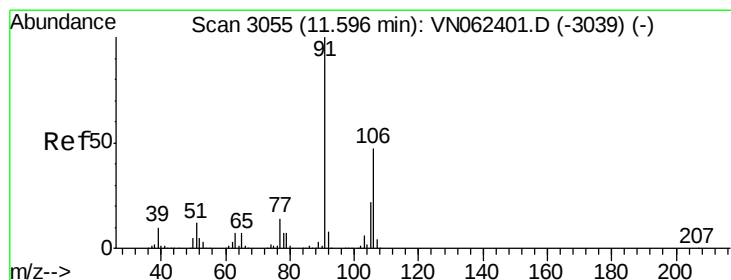
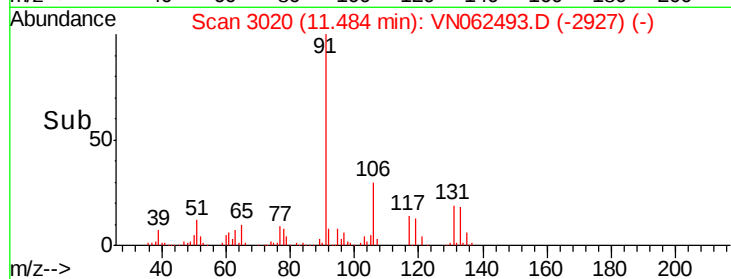
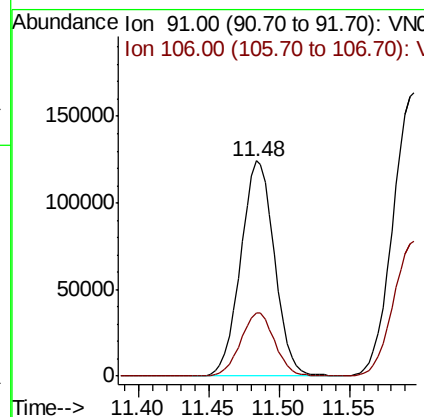
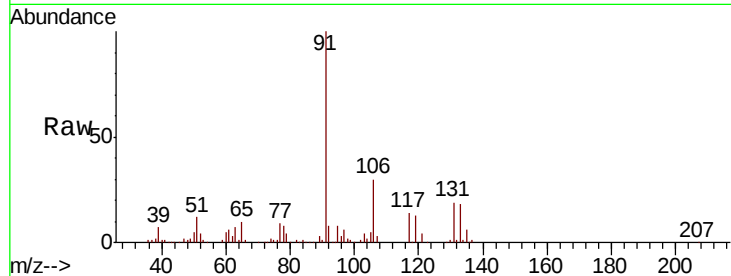
#67
Ethyl Benzene
Concen: 18.971 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0710WBSD01

Tot Ion	91	Resp	208947
Ion Ratio	100	Lower	Upper
106	29.6	23.4	35.2

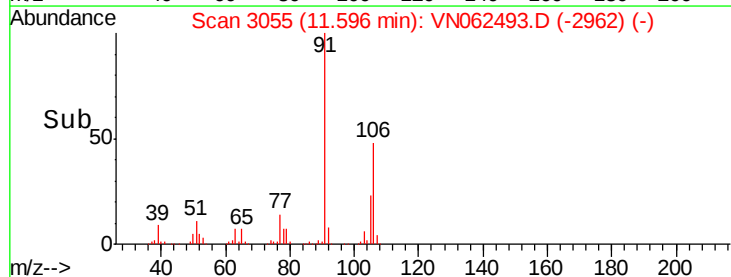
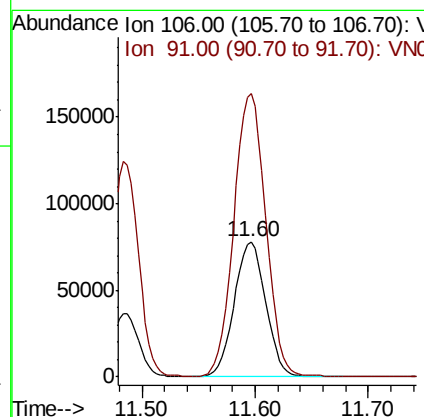
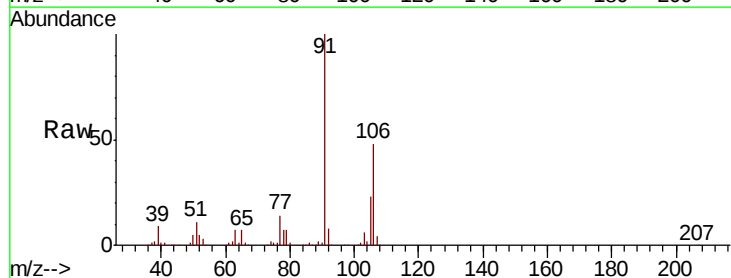
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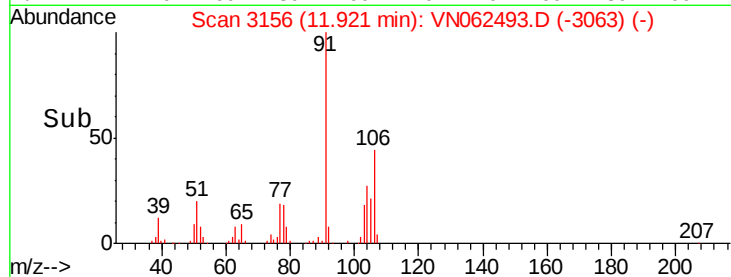
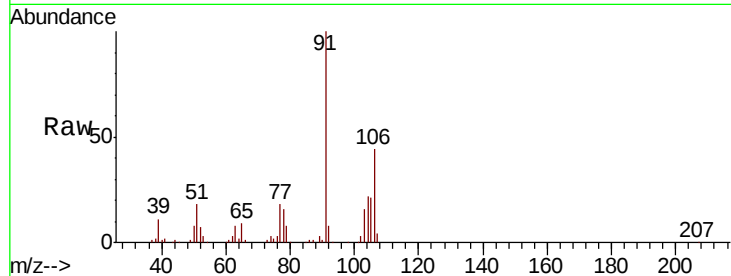
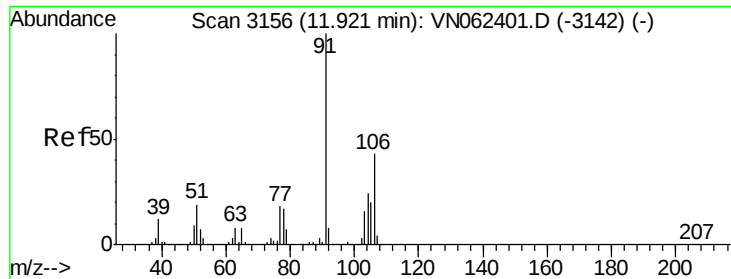
MMDadoda
7/13/2020 11:19:17 AM



#68
m/p-Xylenes
Concen: 38.835 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	106	Resp	151421
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	211.9	172.4	258.6





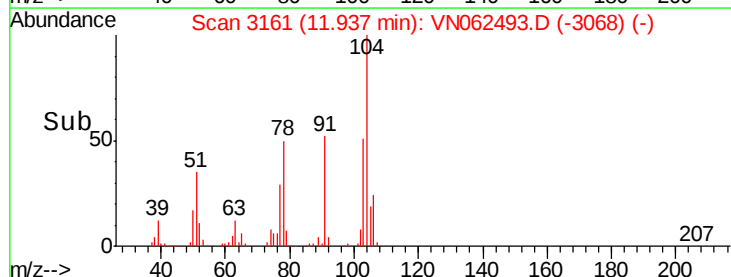
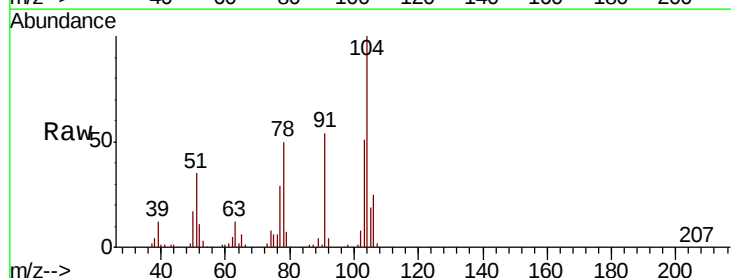
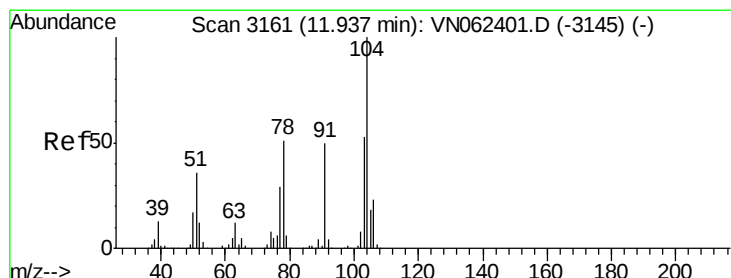
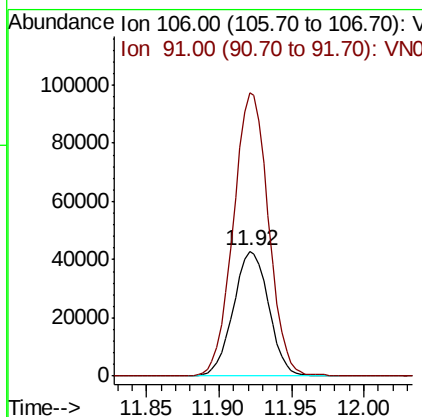
#69
o-Xylene
Concen: 19.164 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	113.8	341.4

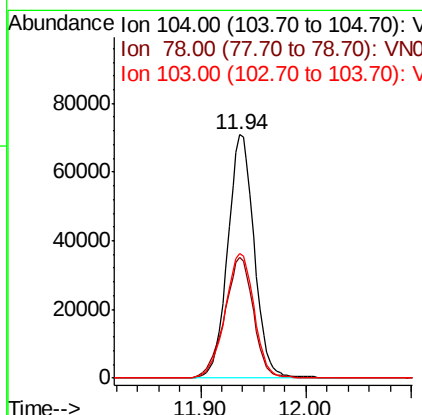
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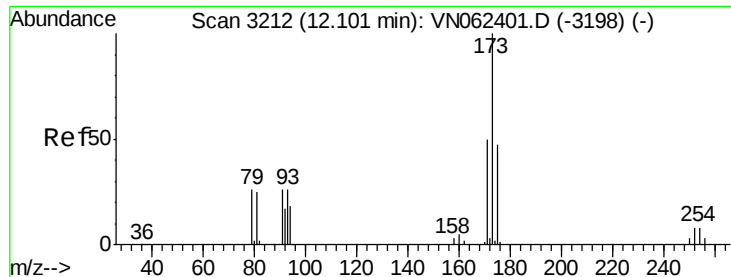
MMDadoda
7/13/2020 11:19:17 AM



#70
Styrene
Concen: 19.572 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.1	44.2	66.4
103	56.2	44.4	66.6





#71

Bromoform

Concen: 20.932 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion:173 Resp: 33203

Ion Ratio Lower Upper

173 100

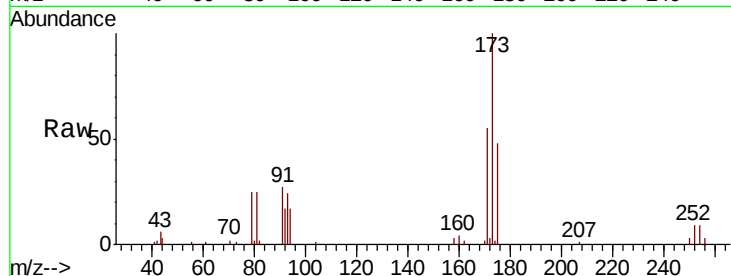
175 46.5 23.7 71.1

254 0.0 0.0 0.0

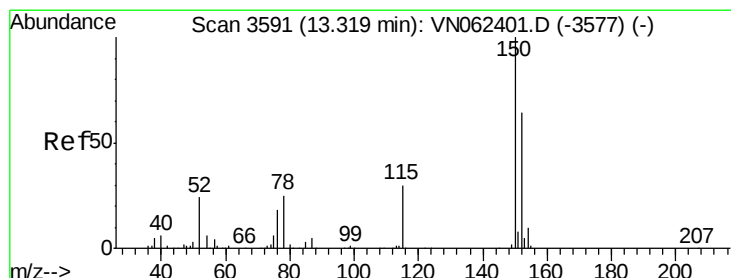
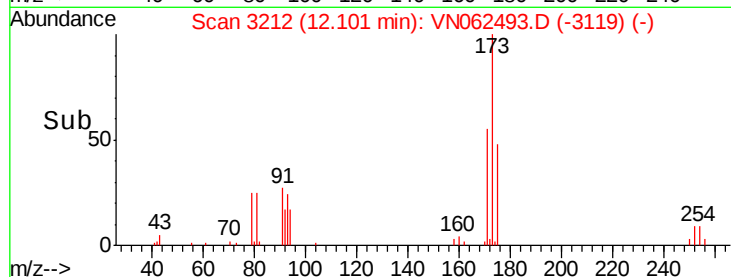
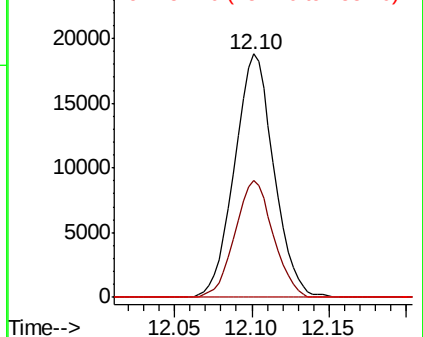
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

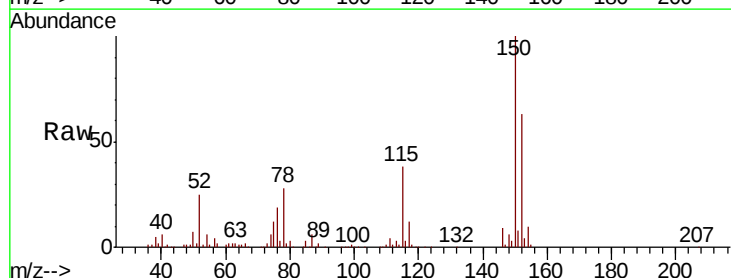
Tgt Ion:152 Resp: 130920

Ion Ratio Lower Upper

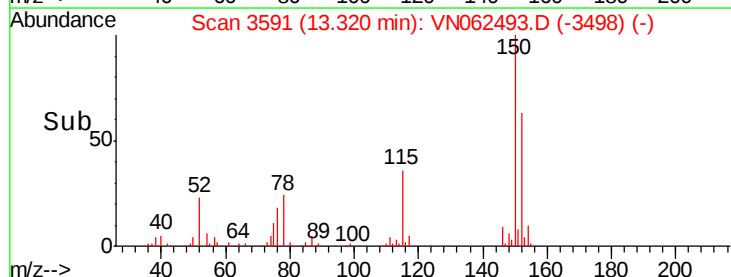
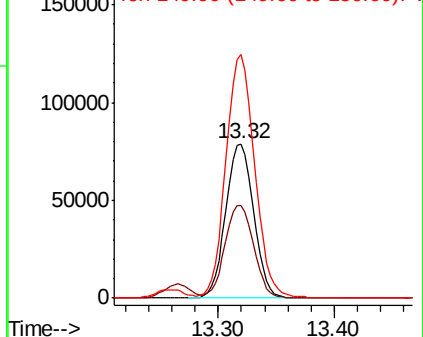
152 100

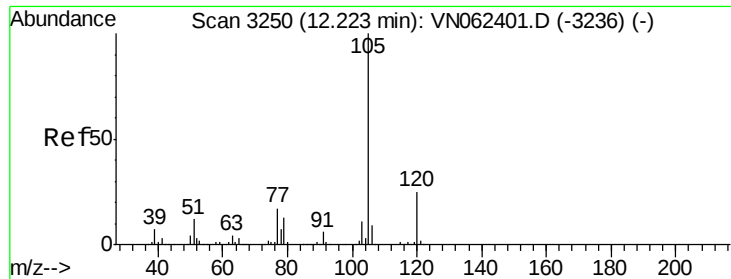
115 61.3 31.4 94.2

150 162.6 0.0 347.4



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





#73

Isopropylbenzene

Concen: 19.233 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 105 Resp: 194851

Ion Ratio Lower Upper

105 100

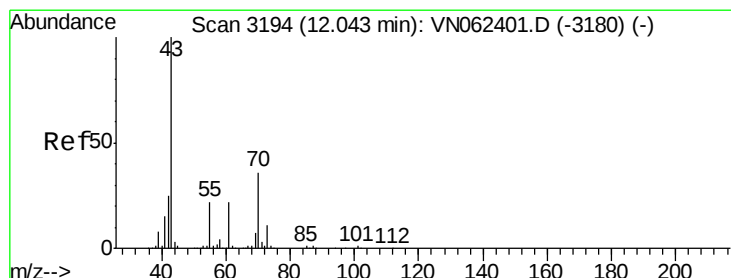
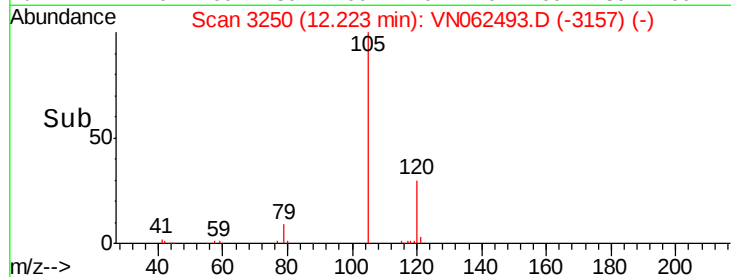
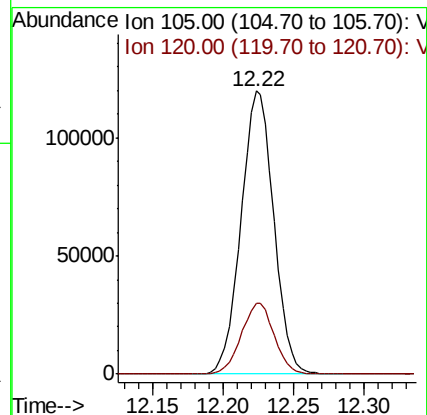
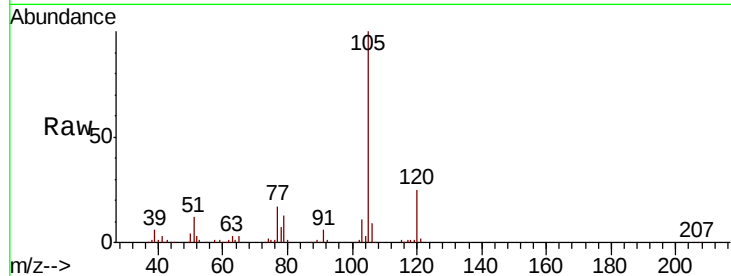
120 25.1 12.7 38.1

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#74

N-ethyl acetate

Concen: 20.278 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion: 43 Resp: 99989

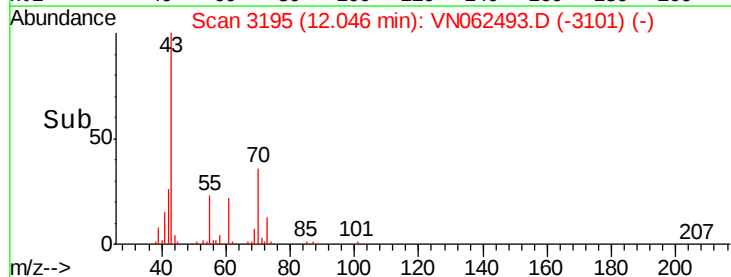
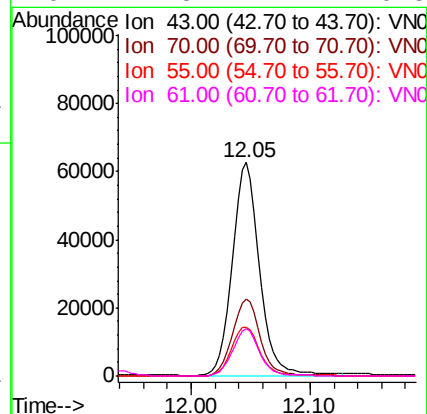
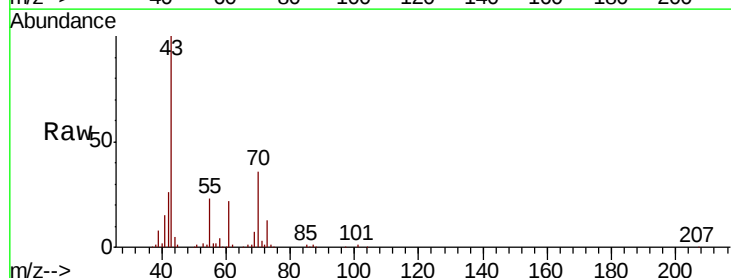
Ion Ratio Lower Upper

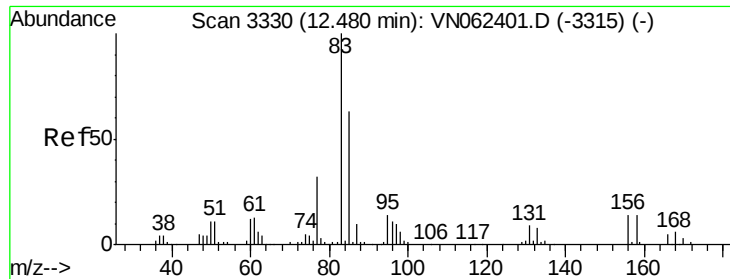
43 100

70 36.5 30.0 45.0

55 23.7 18.2 27.4

61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.232 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

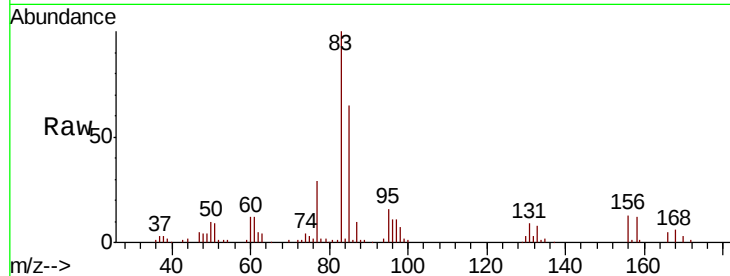
ClientSampleId :

VN0710WBSD01

Tot Ion:	83	Resp:	72325
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	63.5	31.9	95.9

Manual Integrations
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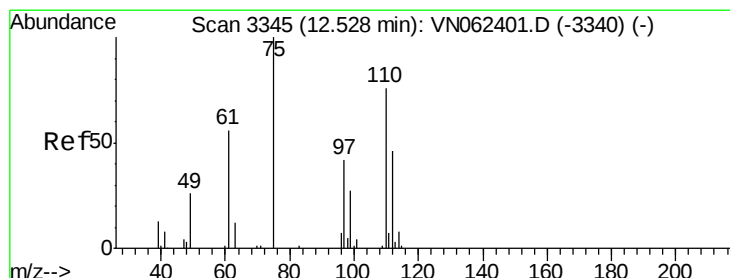
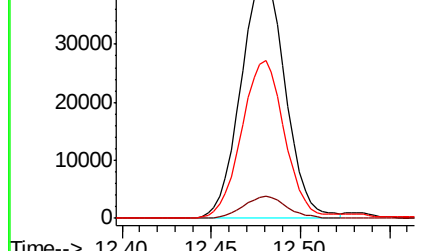
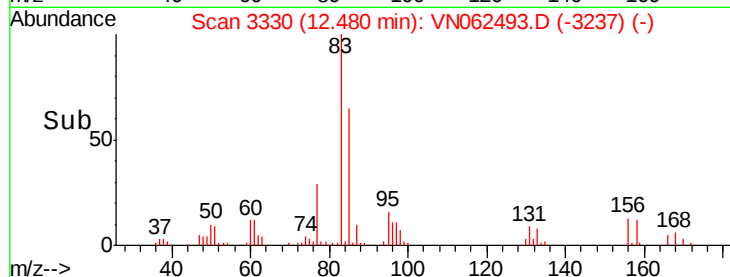


Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 19.384 ug/l m

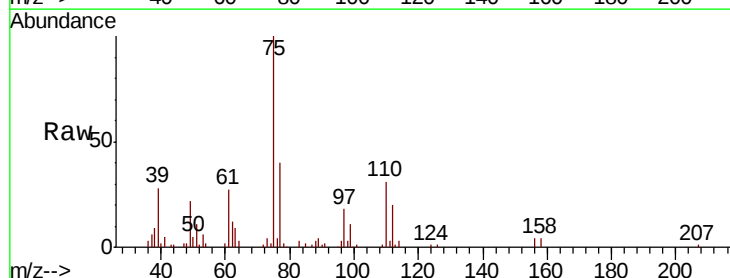
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

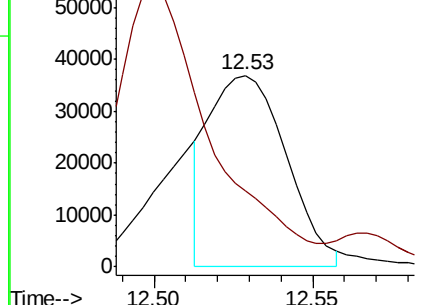
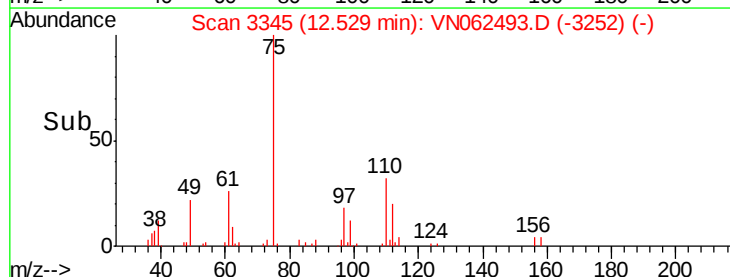
Tgt Ion:	75	Resp:	62268
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

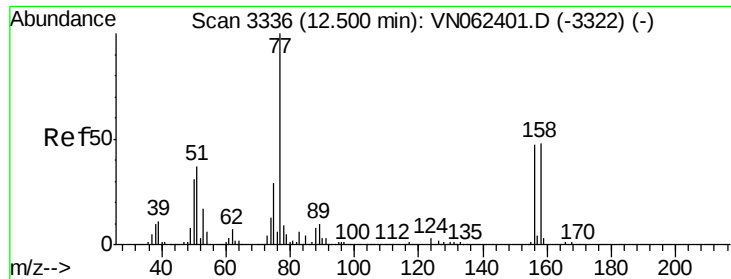


Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 20.132 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

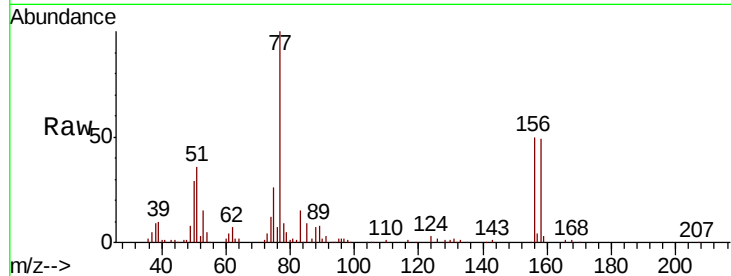
ClientSampleId :

VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.6	126.4	379.3
158	97.7	49.8	149.4

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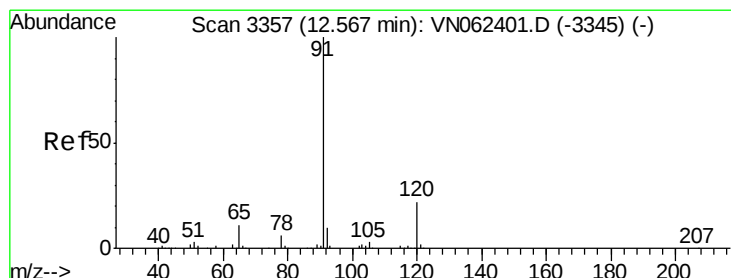
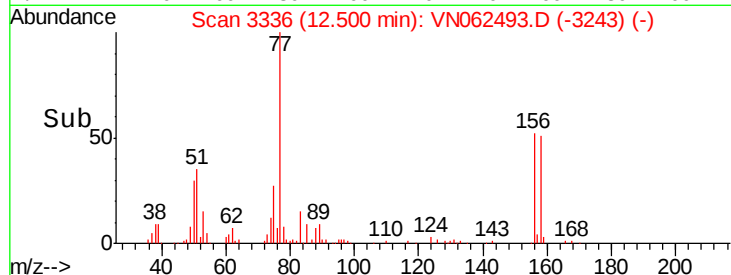
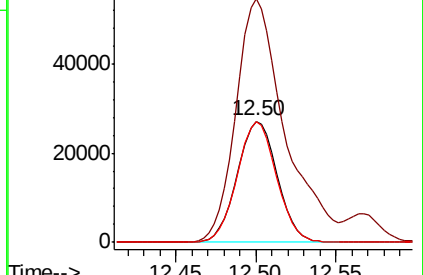
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.140 ug/l

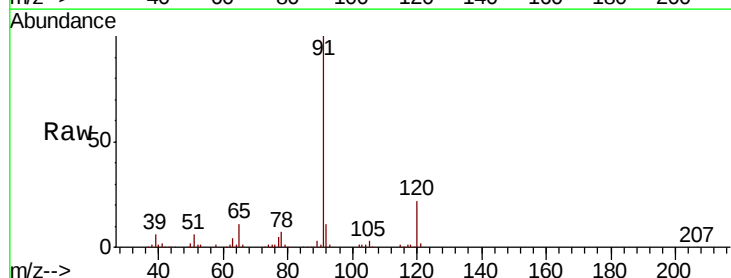
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062493.D

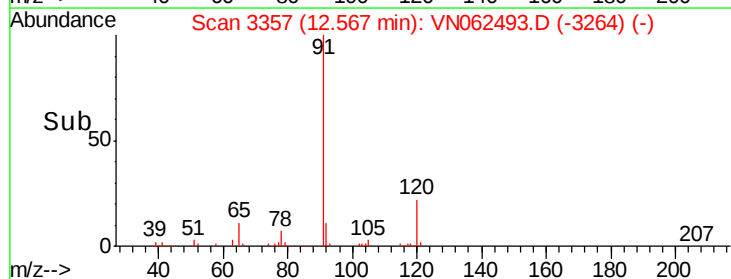
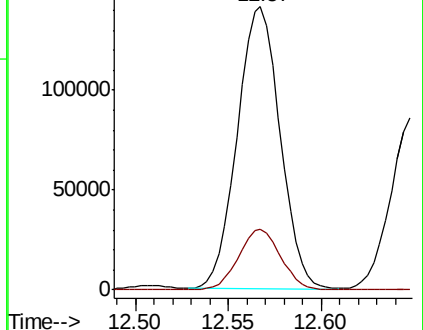
Acq: 10 Jul 2020 15:07

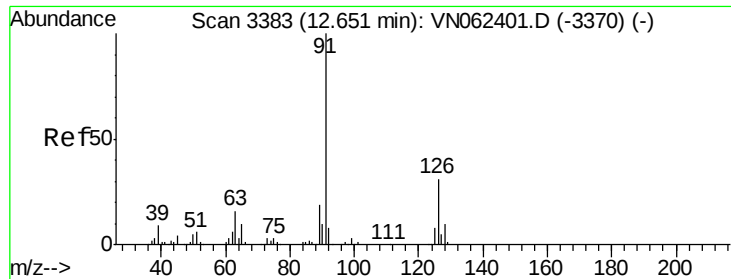
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





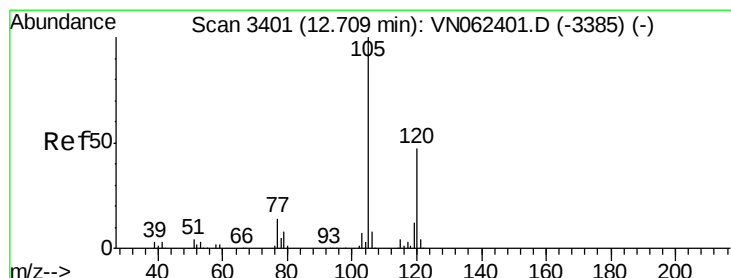
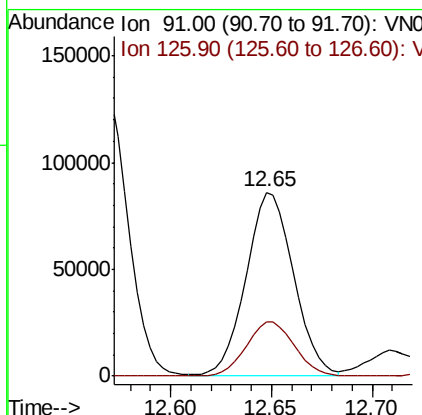
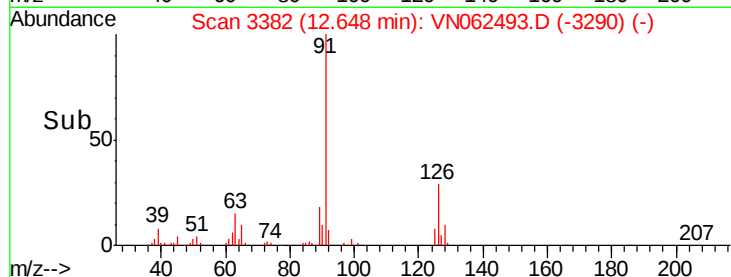
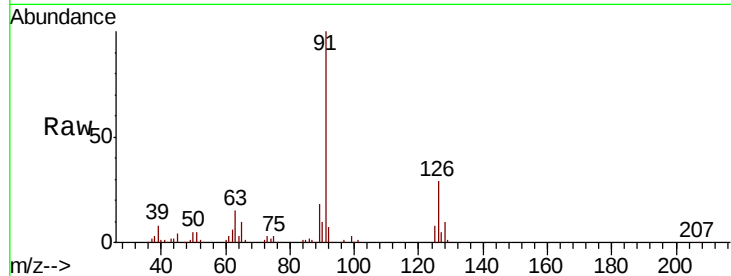
#79
 2-Chlorotoluene
 Concen: 19.604 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0710WBSD01

Tot Ion: 91 Resp: 140803
 Ion Ratio Lower Upper
 91 100
 126 30.2 15.6 46.7

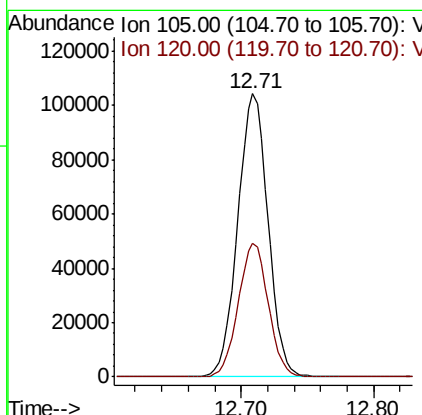
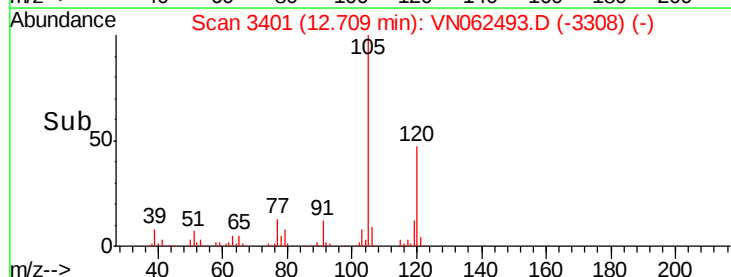
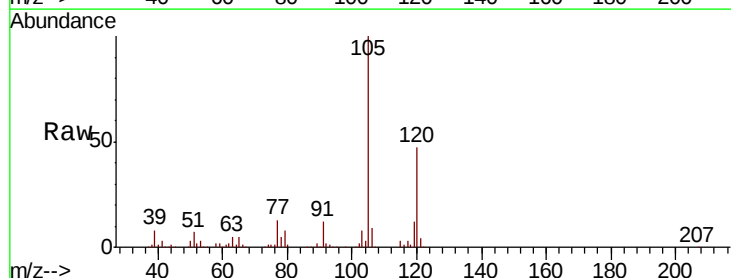
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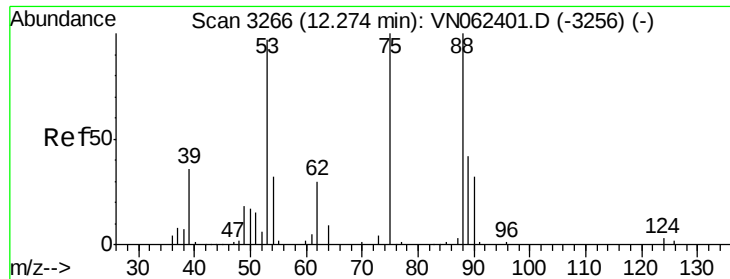
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.883 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion: 105 Resp: 165132
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.777 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion: 75 Resp: 22536

Ion Ratio Lower Upper

75 100

53 101.9 79.2 118.8

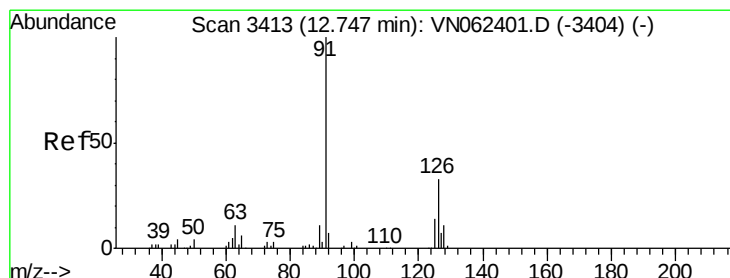
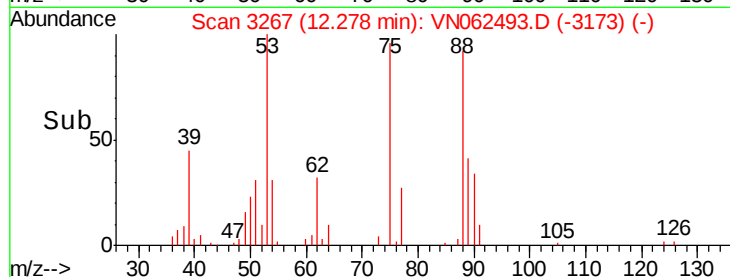
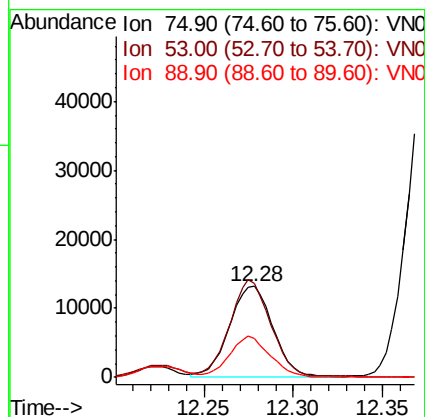
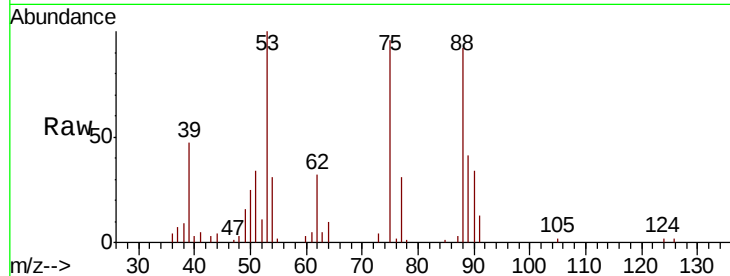
89 41.6 34.6 52.0

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#82

4-Chlorotoluene

Concen: 19.680 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062493.D

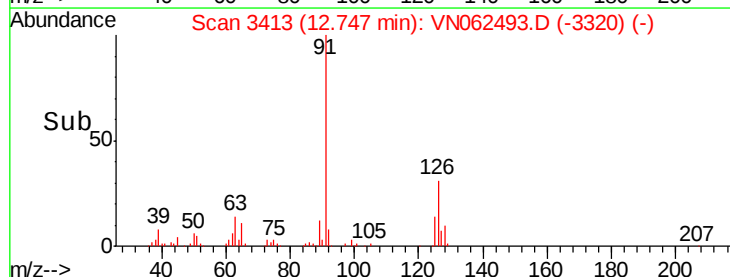
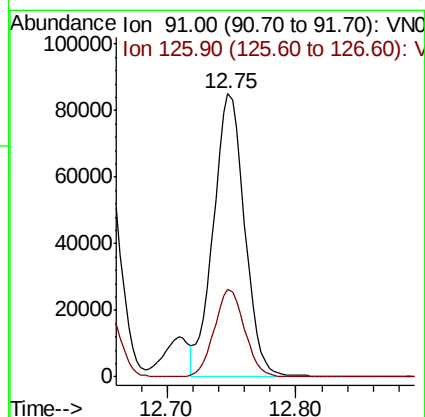
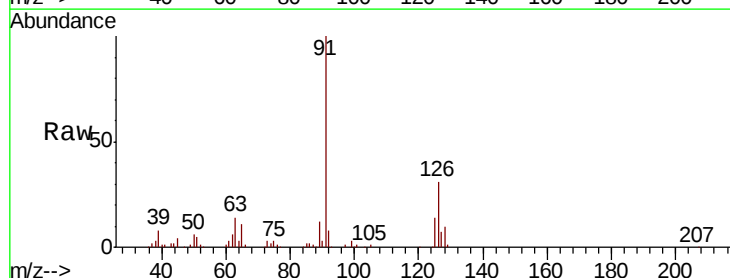
Acq: 10 Jul 2020 15:07

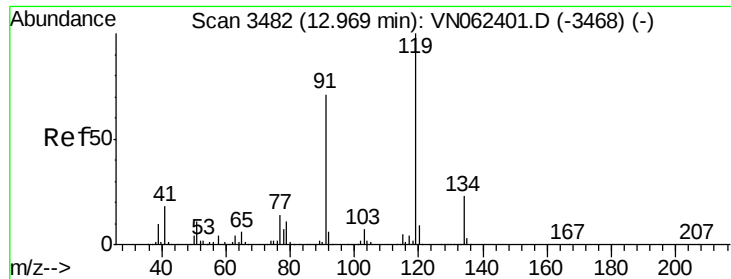
Tgt Ion: 91 Resp: 143500

Ion Ratio Lower Upper

91 100

126 29.9 15.2 45.6





#83

tert-Butylbenzene

Concen: 19.341 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

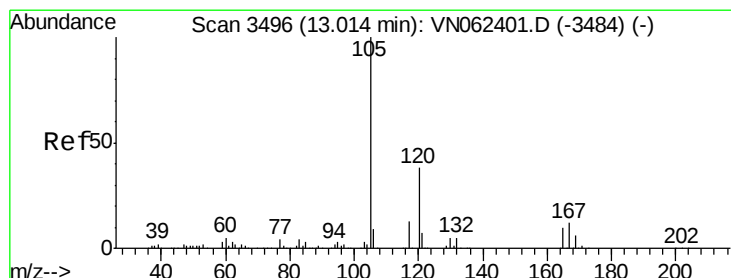
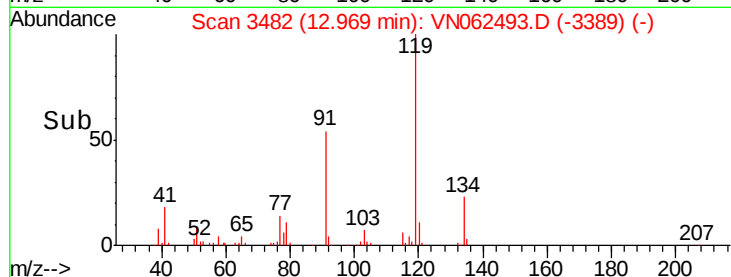
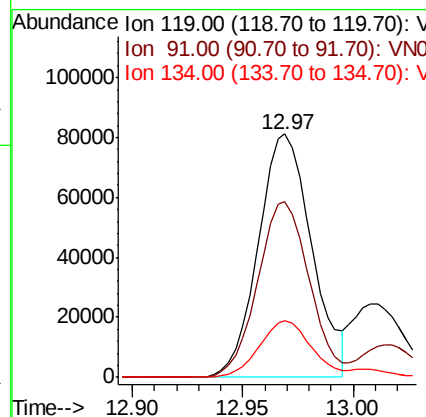
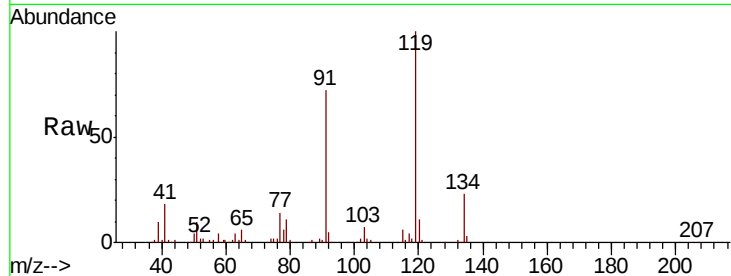
ClientSampleId :

VN0710WBSD01

Tot Ion:	119	Resp:	136314
Ion Ratio	Lower	Upper	
119	100		
91	70.3	34.8	104.3
134	22.9	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.658 ug/l

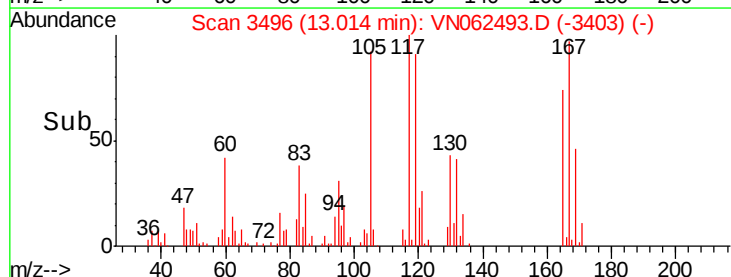
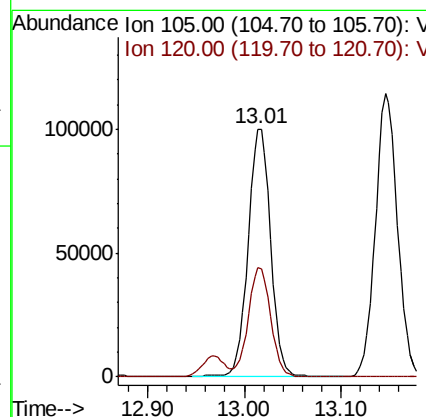
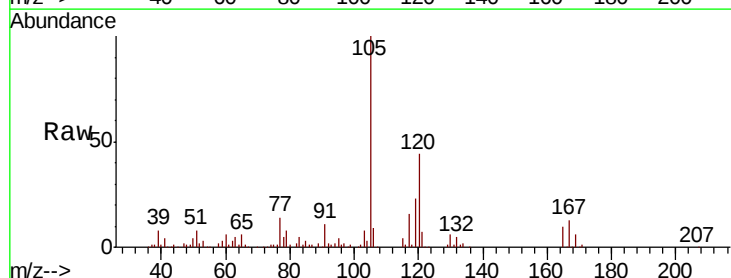
RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	105	Resp:	162280
Ion Ratio	Lower	Upper	
105	100		
120	43.6	21.6	64.8





#85

sec-Butylbenzene

Concen: 19.548 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0710WBSD01

Tot Ion:105 Resp: 182560

Ion Ratio Lower Upper

105 100

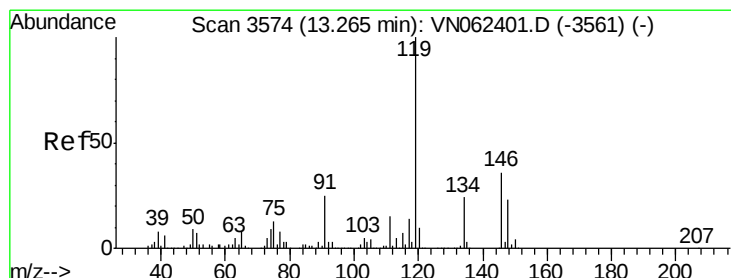
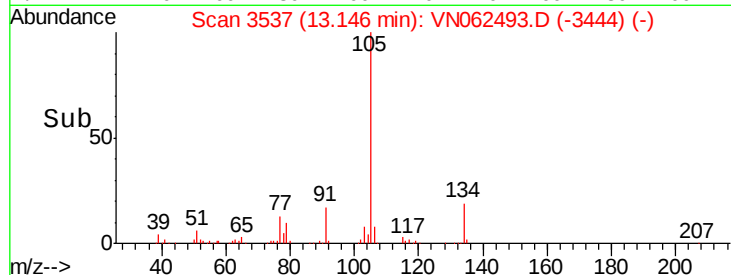
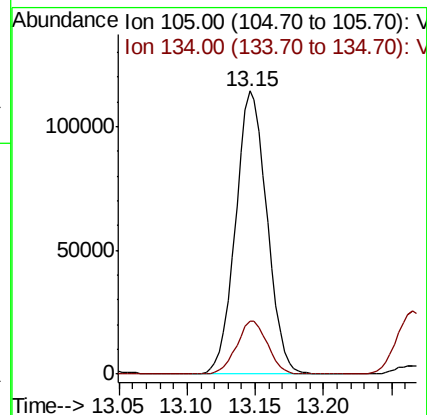
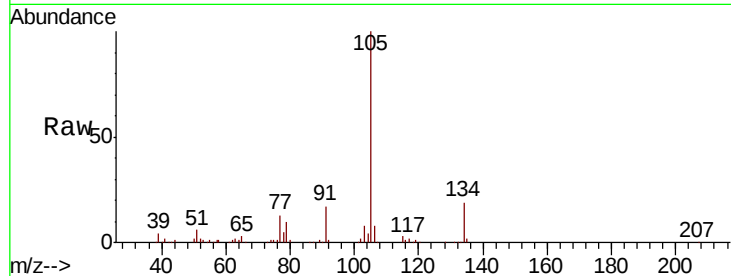
134 18.4 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 19.153 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

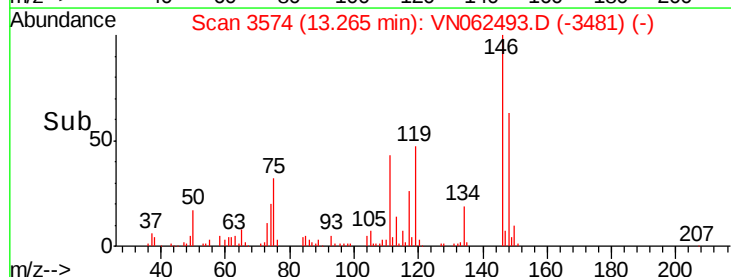
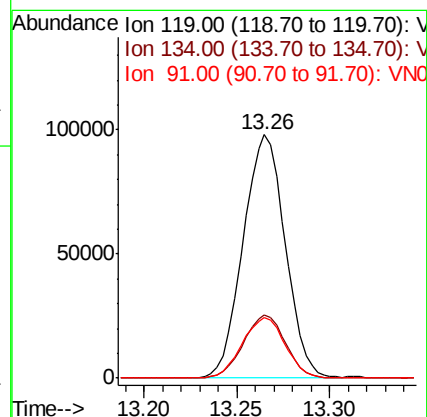
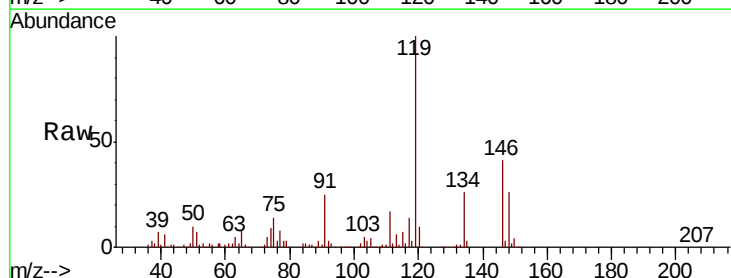
Tgt Ion:119 Resp: 154386

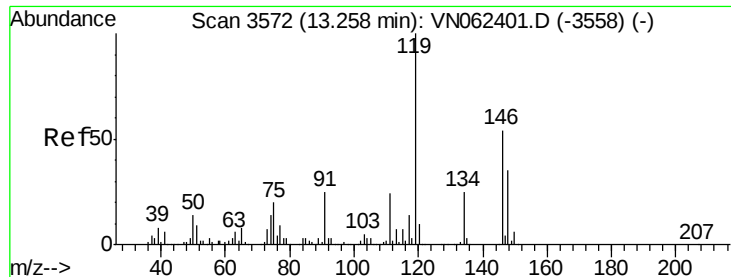
Ion Ratio Lower Upper

119 100

134 26.0 12.4 37.0

91 25.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.923 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

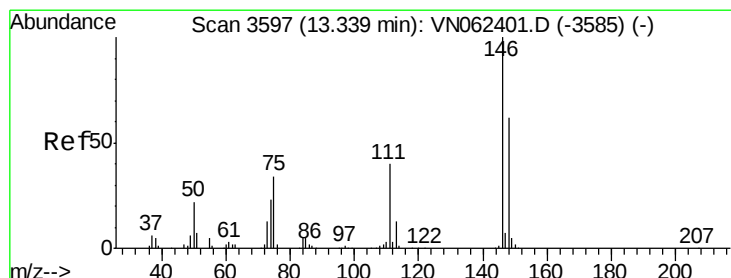
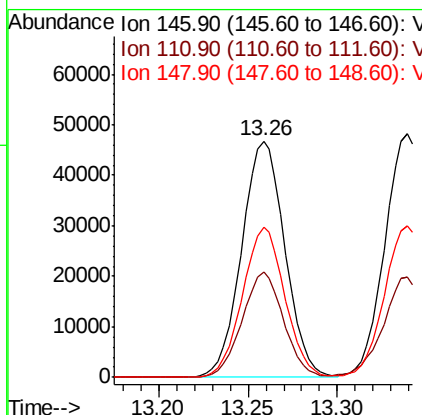
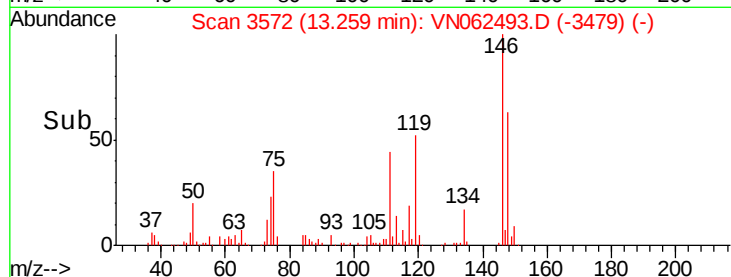
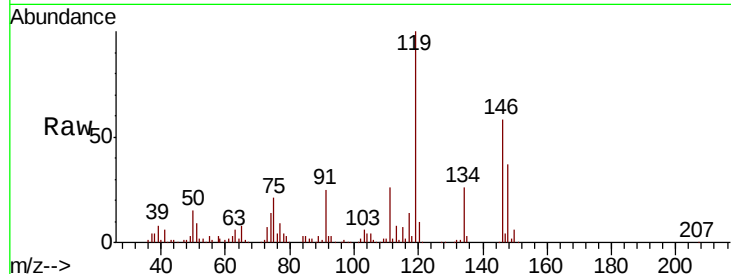
ClientSampleId :

VN0710WBSD01

Tot Ion:	146	Resp:	79160
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.6	64.6
148	62.3	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.851 ug/l

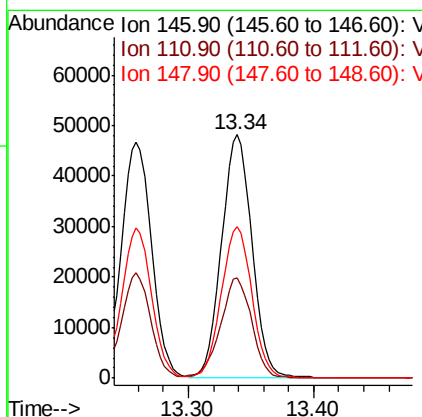
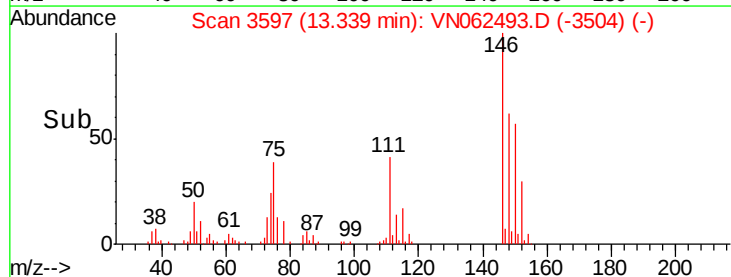
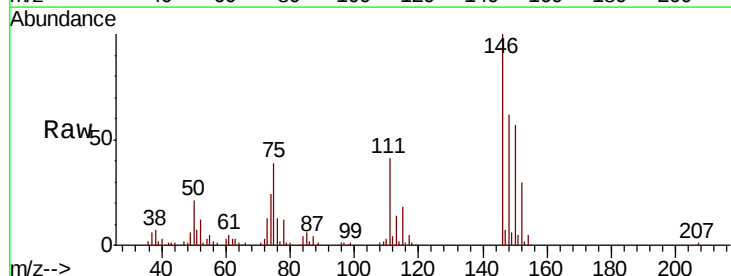
RT: 13.34 min Scan# 3597

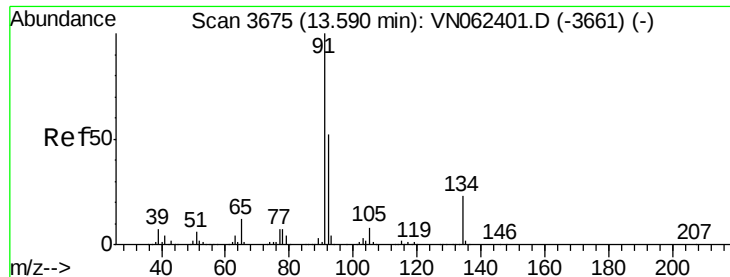
Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	146	Resp:	81158
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.1	63.1
148	62.6	31.4	94.2





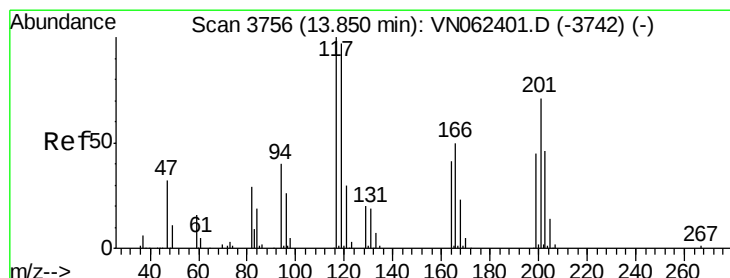
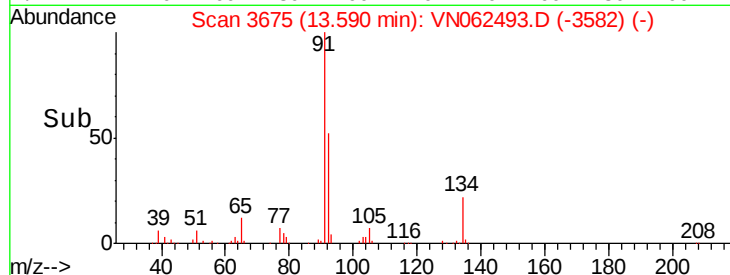
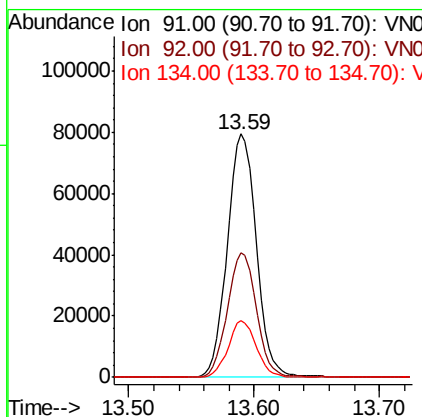
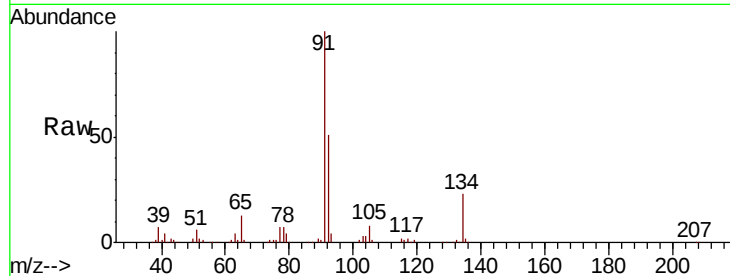
#89
n-Butylbenzene
Concen: 17.976 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	22.4	11.6	34.8

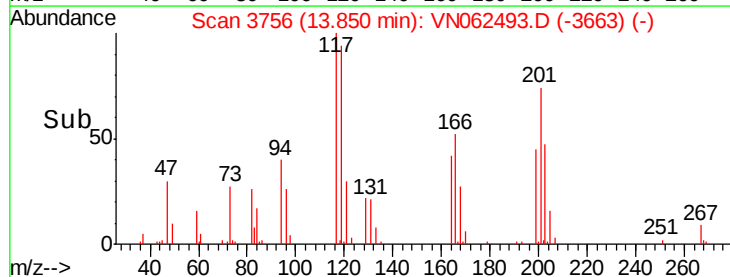
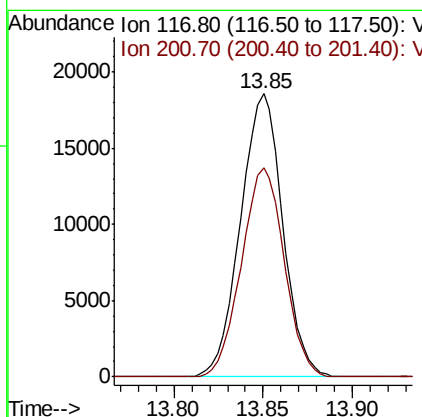
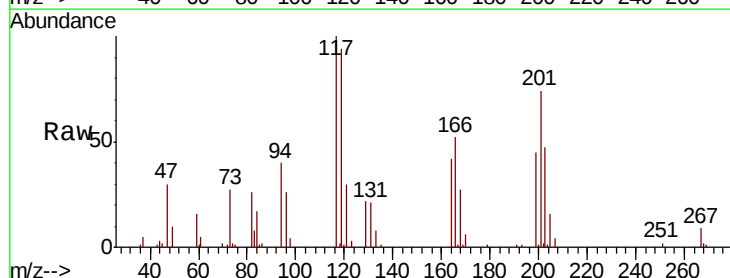
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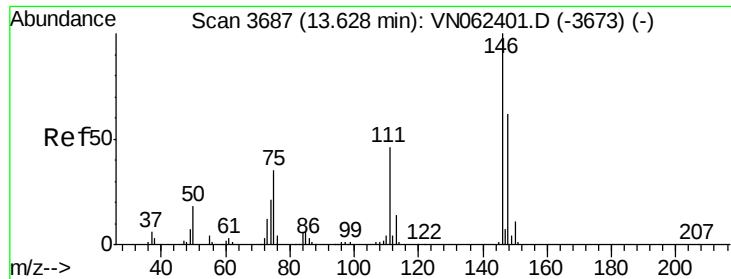
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#90
Hexachloroethane
Concen: 19.307 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062493.D
Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	35.4	106.2





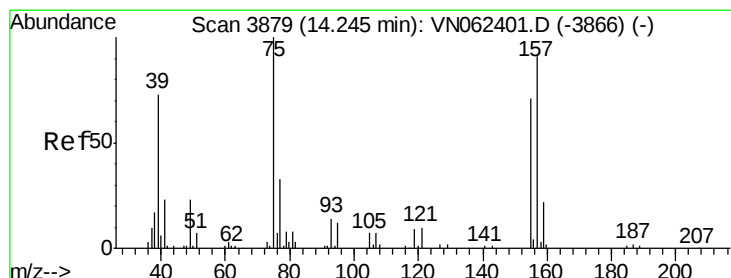
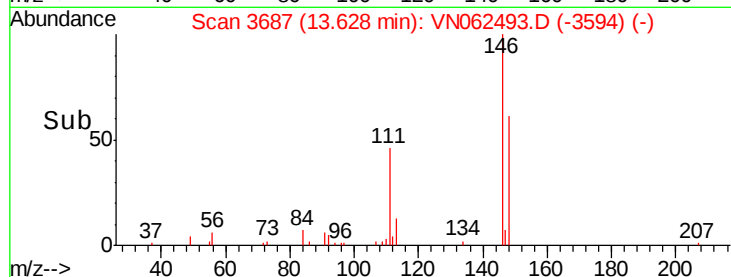
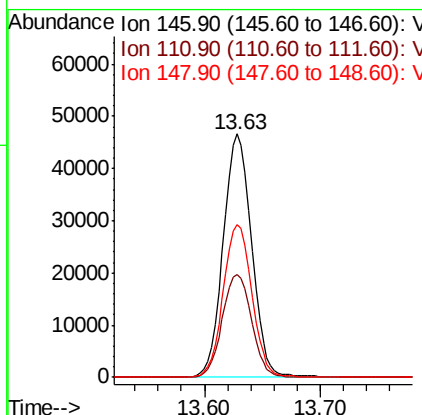
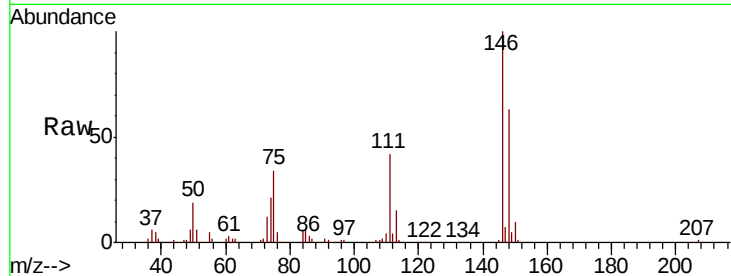
#91
 1,2-Dichlorobenzene
 Concen: 20.510 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.5	67.5
148	63.3	31.4	94.2

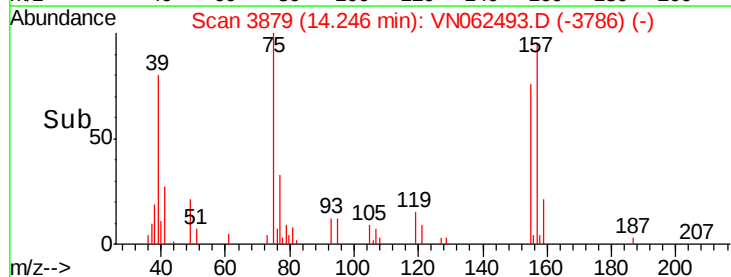
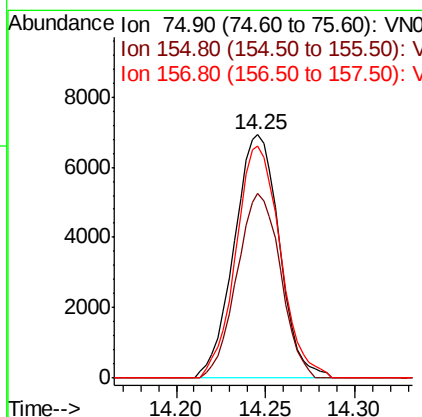
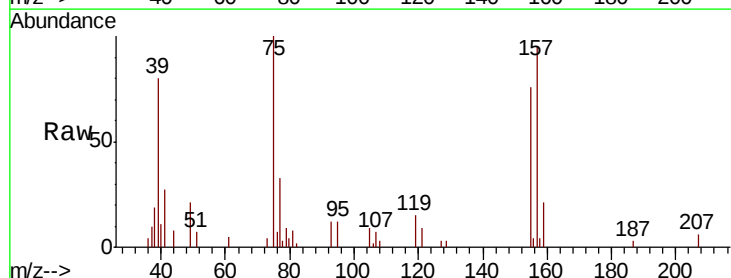
Manual Integrations
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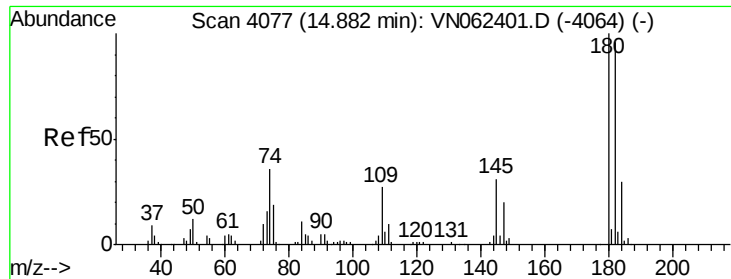
MMDadoda
 7/13/2020 11:19:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.632 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	35.2	105.6
157	93.9	45.8	137.3





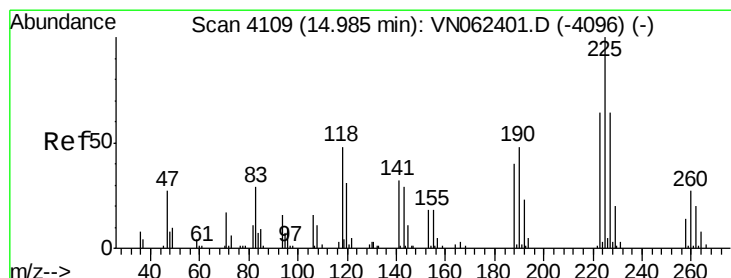
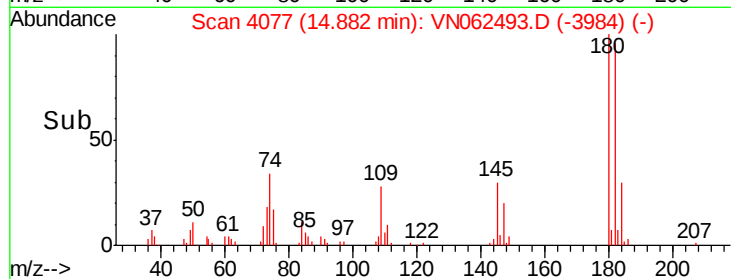
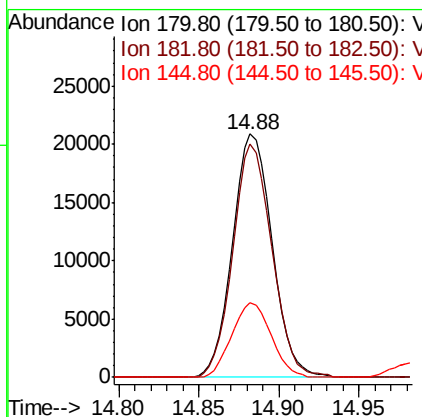
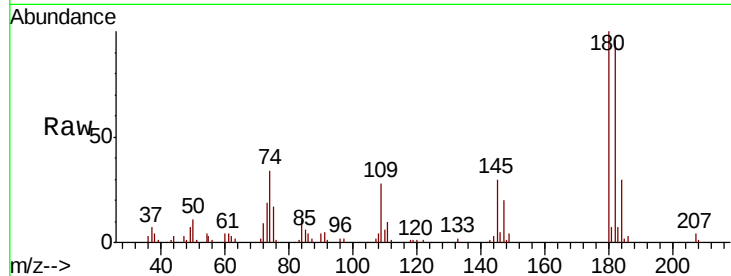
#93
 1,2,4-Trichlorobenzene
 Concen: 19.265 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0710WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.2
145	30.3	15.5	46.5

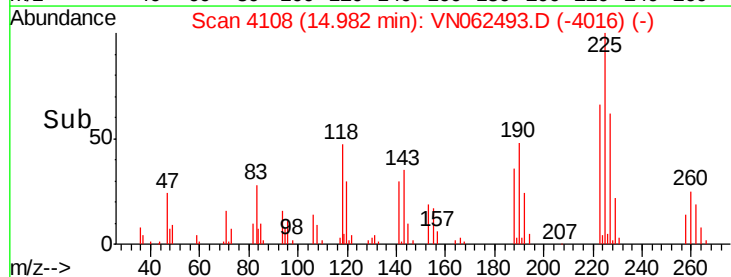
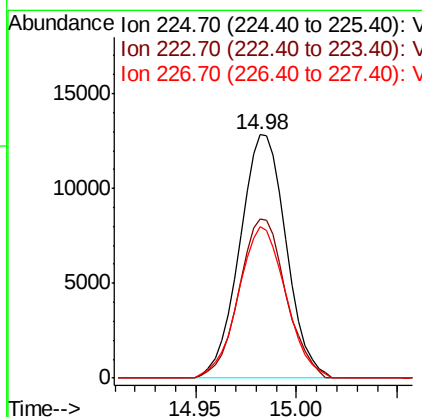
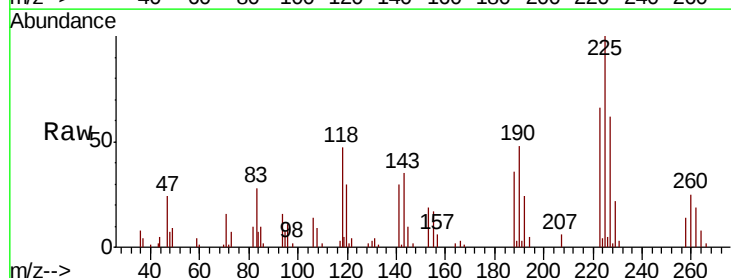
Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:17 AM



#94
 Hexachlorobutadiene
 Concen: 20.279 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062493.D
 Acq: 10 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.3	96.8
227	63.4	31.9	95.7





#95

Naphthalene

Concen: 20.364 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Instrument :

MSVOA_N

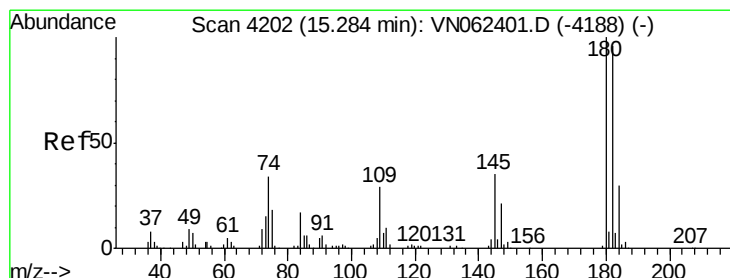
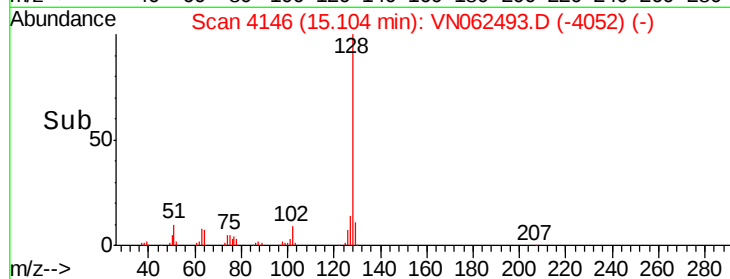
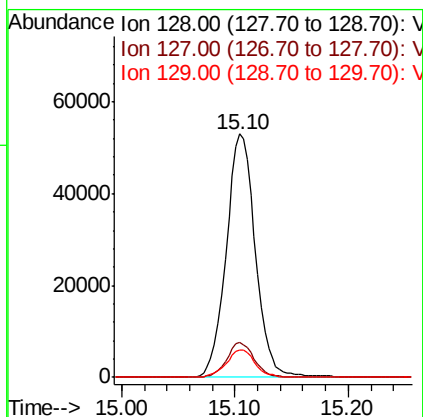
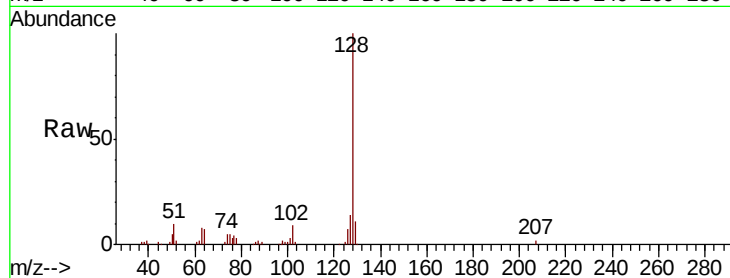
ClientSampleId :

VN0710WBSD01

Tot Ion:	128	Resp:	94706
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.373 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062493.D

Acq: 10 Jul 2020 15:07

Tgt Ion:	180	Resp:	35712
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	33.3	17.0	50.9

