

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062520\
 Data File : VN062107.D
 Acq On : 25 Jun 2020 13:40
 Operator : JC/MD
 Sample : L3020-19MSD
 Misc : 5.86g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Manual Integrations
 APPROVED

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 6/26/2020 7:01:07 PM

Quant Time: Jun 26 04:35:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	269326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	211130	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	7.54	113	162190	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.06	98	720385	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	12.38	95	295536	67.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	144441	47.097	ug/l	98
3) Chloromethane	2.04	50	214952	59.796	ug/l	98
4) Vinyl Chloride	2.16	62	232521	48.144	ug/l	100
5) Bromomethane	2.48	94	33577	10.757	ug/l	97
6) Chloroethane	2.62	64	18514	5.612	ug/l	92
7) Trichlorofluoromethane	2.92	101	318681	53.549	ug/l	100
8) Diethyl Ether	3.36	74	116074	55.857	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.68	101	139041	44.615	ug/l	99
10) Methyl Iodide	3.88	142	149635	42.634	ug/l	99
11) Tert butyl alcohol	4.82	59	157085m	287.338	ug/l	
12) 1,1-Dichloroethene	3.66	96	157241	50.471	ug/l	99
13) Acrolein	3.56	56	124870	233.296	ug/l	99
14) Allyl chloride	4.26	41	222712	52.505	ug/l	99
15) Acrylonitrile	4.93	53	408483	274.195	ug/l	99
16) Acetone	3.78	43	330259	276.764	ug/l	96
17) Carbon Disulfide	3.98	76	458463	51.375	ug/l	99
18) Methyl Acetate	4.27	43	179562	59.323	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	544417	54.686	ug/l	95
20) Methylene Chloride	4.49	84	183059	52.382	ug/l	94
21) trans-1,2-Dichloroethene	4.97	96	169349	47.715	ug/l	92
22) Diisopropyl ether	5.90	45	527713	54.640	ug/l	98
23) Vinyl Acetate	5.84	43	2221151	281.687	ug/l	98
24) 1,1-Dichloroethane	5.79	63	310571	49.938	ug/l	99
25) 2-Butanone	6.79	43	487996	262.206	ug/l	96
26) 2,2-Dichloropropane	6.77	77	152411	29.409	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	193118	48.355	ug/l	97
28) Bromochloromethane	7.15	49	131311	48.663	ug/l	95
29) Tetrahydrofuran	7.17	42	331858	272.211	ug/l	99
30) Chloroform	7.32	83	308693	48.786	ug/l	98
31) Cyclohexane	7.60	56	309472	58.828	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	253925	47.586	ug/l	99
36) 1,1-Dichloropropene	7.75	75	228692	44.815	ug/l	99
37) Ethyl Acetate	6.88	43	219098	51.850	ug/l	99
38) Carbon Tetrachloride	7.72	117	209398	43.525	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	600624	107.421	ug/l	97
40) Benzene	7.99	78	715770	46.019	ug/l	98
41) Methacrylonitrile	7.12	41	78877	40.264	ug/l	86
42) 1,2-Dichloroethane	8.08	62	245947	46.802	ug/l	96
43) Isopropyl Acetate	8.13	43	430845	62.547	ug/l #	92
44) Trichloroethene	8.80	130	171077	43.603	ug/l	99
45) 1,2-Dichloropropane	9.08	63	186304	48.552	ug/l	99
46) Dibromomethane	9.17	93	118859	45.686	ug/l	98
47) Bromodichloromethane	9.37	83	266296	50.693	ug/l	99
48) Methyl methacrylate	9.17	41	179342	58.066	ug/l	84
49) 1,4-Dioxane	9.17	88	63794	931.400	ug/l #	89
51) 4-Methyl-2-Pentanone	9.96	43	1145657	284.664	ug/l	97
52) Toluene	10.12	92	469612	49.484	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	269276	46.593	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	286209	46.516	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	153311	41.097	ug/l #	85
56) Ethyl methacrylate	10.40	69	316173	63.508	ug/l	87
57) 1,3-Dichloropropane	10.68	76	317493	49.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	614105	287.165	ug/l	99
59) 2-Hexanone	10.73	43	758180	260.888	ug/l	99
60) Dibromochloromethane	10.87	129	187653	47.512	ug/l	97
61) 1,2-Dibromoethane	10.98	107	189809	49.518	ug/l #	76
64) Tetrachloroethene	10.60	164	140959	41.010	ug/l	97
65) Chlorobenzene	11.41	112	497941	45.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	177097	46.349	ug/l	99
67) Ethyl Benzene	11.48	91	2293003	122.870	ug/l	100
68) m/p-Xylenes	11.60	106	1054882	146.143	ug/l	97
69) o-Xylene	11.92	106	352742	51.795	ug/l	97
70) Styrene	11.94	104	609018	53.620	ug/l	98
71) Bromoform	12.10	173	130626	48.083	ug/l #	98
73) Isopropylbenzene	12.22	105	1350200	64.764	ug/l	100
74) N-amyl acetate	12.05	43	255548	34.415	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.48	83	284609	41.024	ug/l	85
76) 1,2,3-Trichloropropane	12.53	75	258144m	40.716	ug/l	
77) Bromobenzene	12.50	156	243739	47.091	ug/l	91
78) n-propylbenzene	12.57	91	3075247	128.957	ug/l	99
79) 2-Chlorotoluene	12.65	91	829091	57.509	ug/l	85
80) 1,3,5-Trimethylbenzene	12.71	105	2962005	175.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	82190	37.858	ug/l #	77
82) 4-Chlorotoluene	12.75	91	683222	45.828	ug/l	100
83) tert-Butylbenzene	12.97	119	671422	46.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	5982287	354.417	ug/l	80
85) sec-Butylbenzene	13.15	105	1192881	62.416	ug/l	88
86) p-Isopropyltoluene	13.26	119	974400	58.193	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	409714	45.079	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	411273	43.898	ug/l	98
89) n-Butylbenzene	13.59	91	1689688m	121.379	ug/l	
90) Hexachloroethane	13.86	117	391113	119.053	ug/l #	48
91) 1,2-Dichlorobenzene	13.63	146	416381	47.244	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	91982	82.764	ug/l	71

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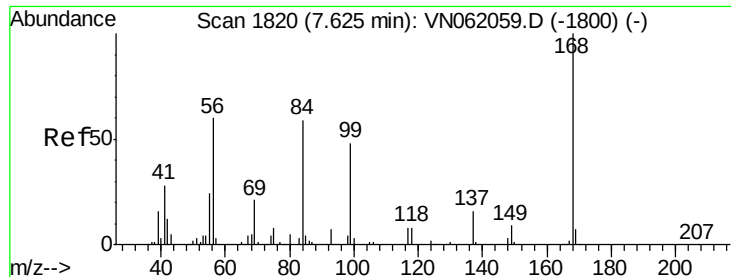
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	266563	69.234	ug/l #	74
94) Hexachlorobutadiene	14.98	225	99585	59.551	ug/l	99
95) Naphthalene	15.10	128	3420321	249.140	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	264854	67.275	ug/l #	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

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Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:168 Resp: 271327

Ion Ratio Lower Upper

168 100

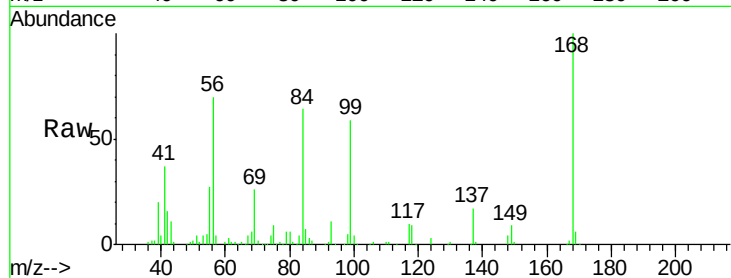
99 58.7 45.8 68.8

Manual Integrations

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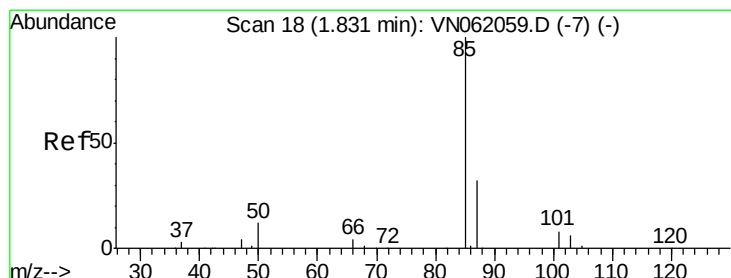
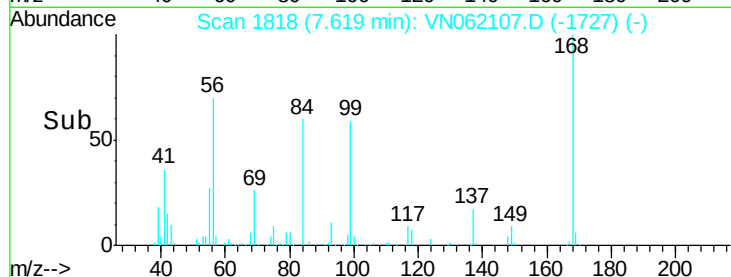
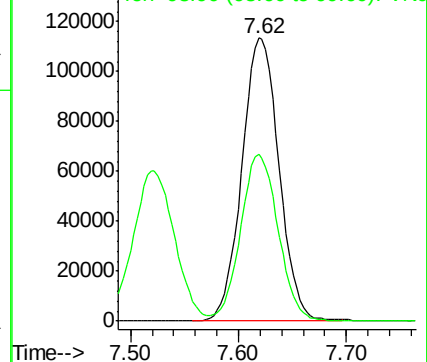
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.097 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062107.D

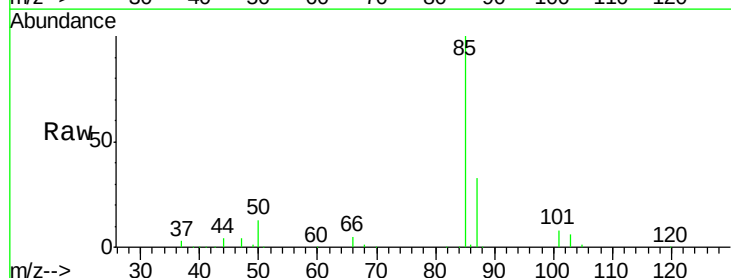
Acq: 25 Jun 2020 13:40

Tgt Ion: 85 Resp: 144441

Ion Ratio Lower Upper

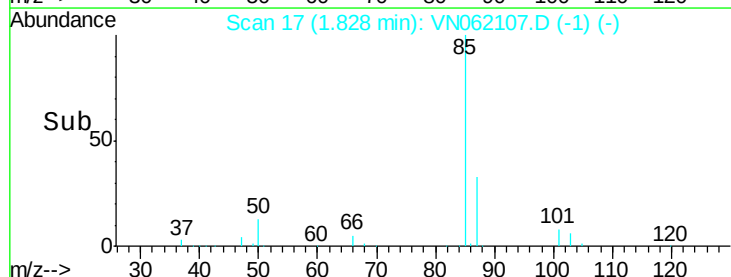
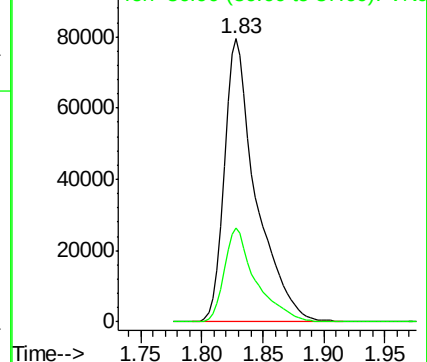
85 100

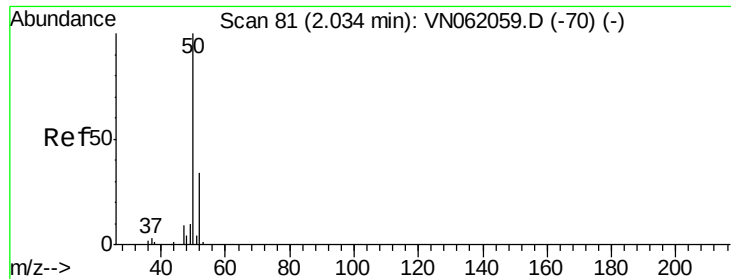
87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 59.796 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 50 Resp: 214952

Ion Ratio Lower Upper

50 100

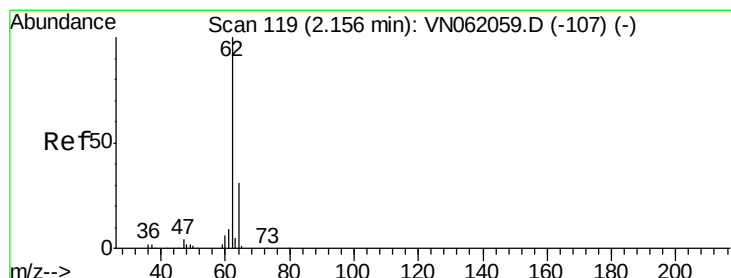
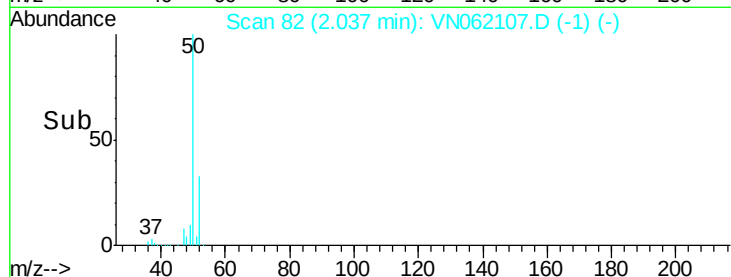
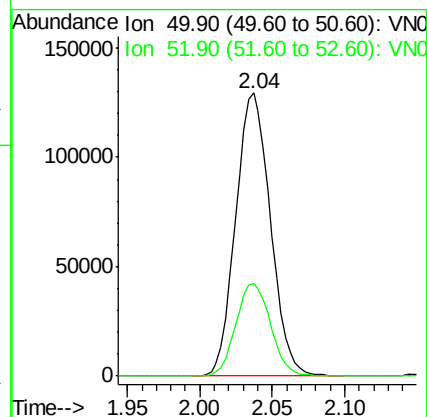
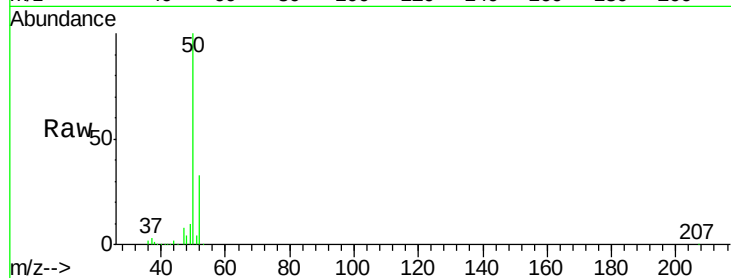
52 32.7 27.0 40.6

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#4

Vinyl Chloride

Concen: 48.144 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN062107.D

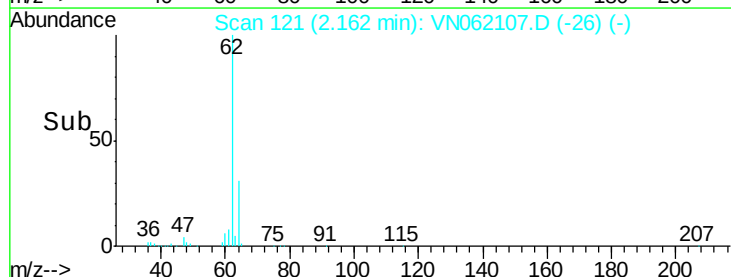
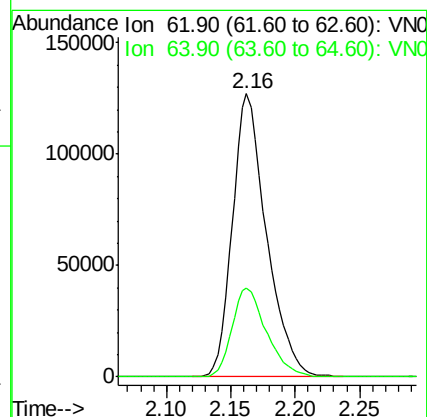
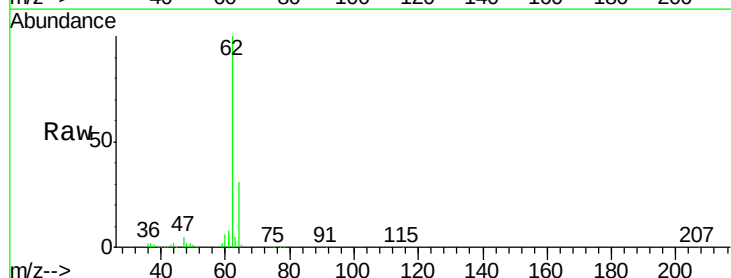
Acq: 25 Jun 2020 13:40

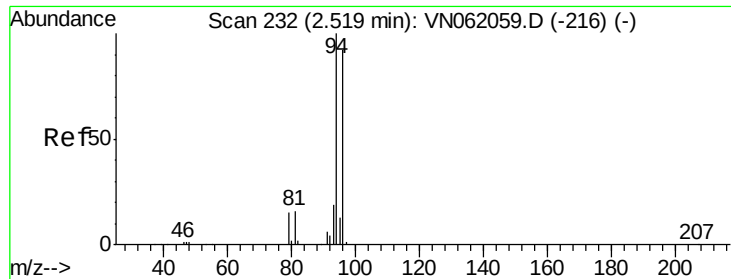
Tgt Ion: 62 Resp: 232521

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 10.757 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.04 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 33577

Ion Ratio Lower Upper

94 100

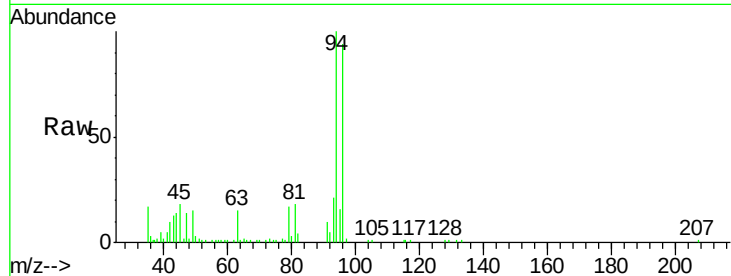
96 94.4 73.4 110.2

Manual Integrations

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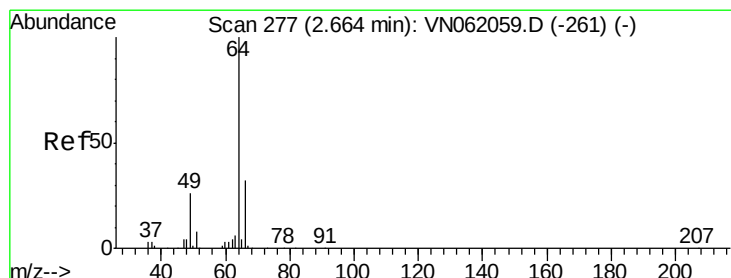
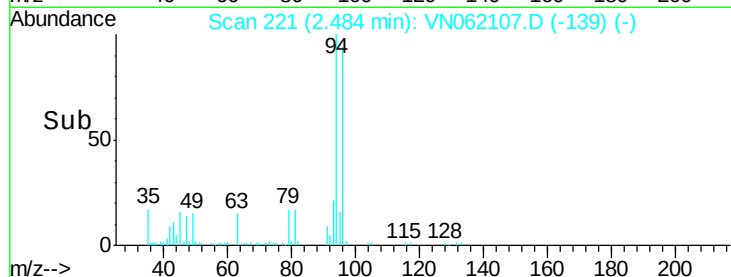
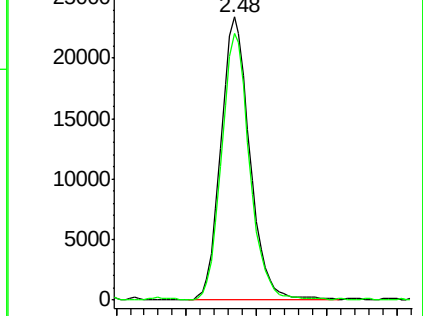
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.612 ug/l

RT: 2.62 min Scan# 262

Delta R.T. -0.05 min

Lab File: VN062107.D

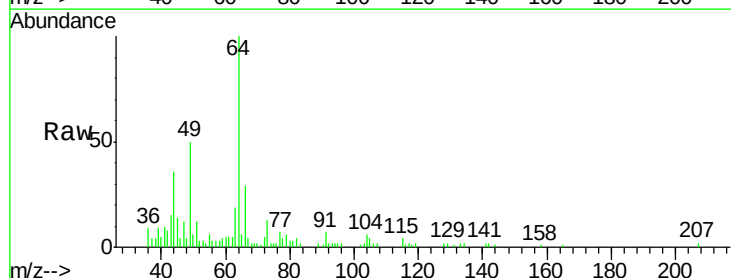
Acq: 25 Jun 2020 13:40

Tgt Ion: 64 Resp: 18514

Ion Ratio Lower Upper

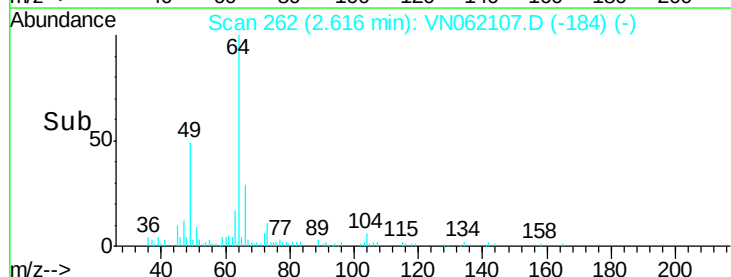
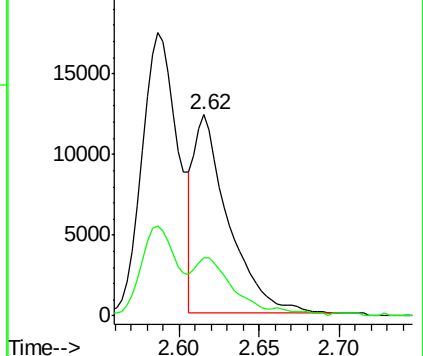
64 100

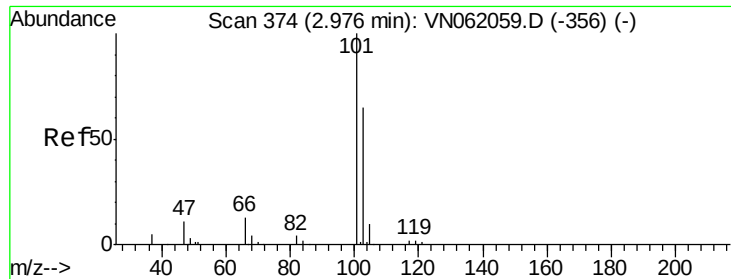
66 27.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

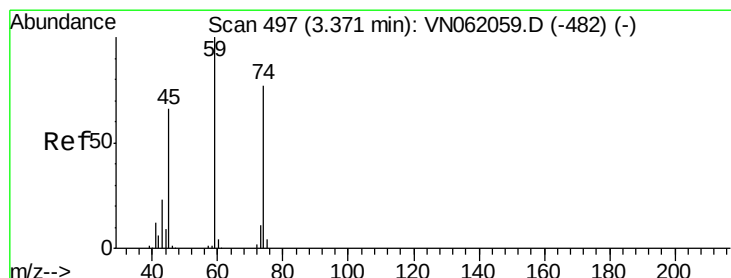
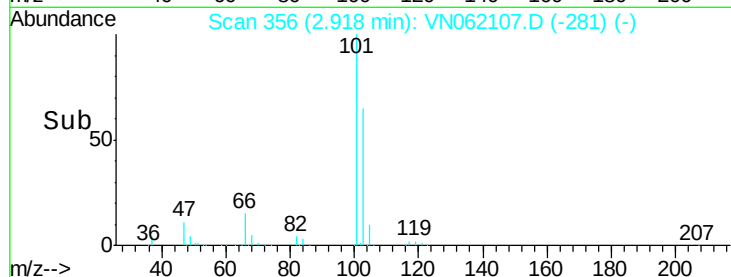
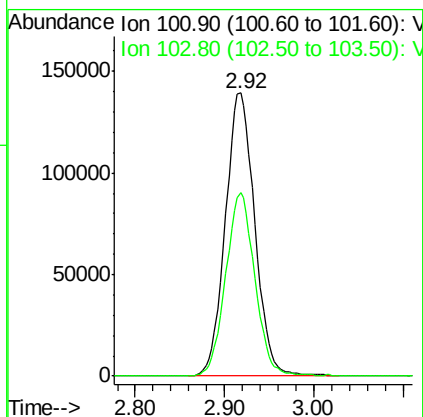
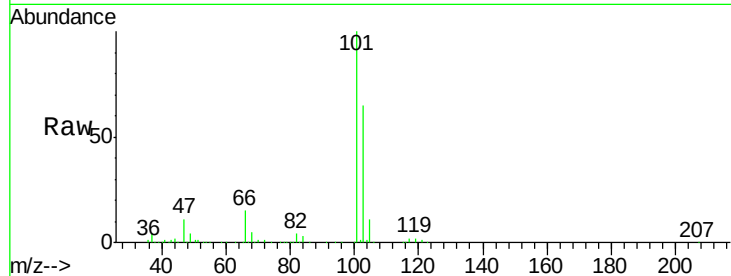
Trichlorofluoromethane
Concen: 53.549 ug/l
RT: 2.92 min Scan# 356
Delta R.T. -0.06 min
Lab File: VN062107.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		318681		
103	64.7	51.8	77.6		

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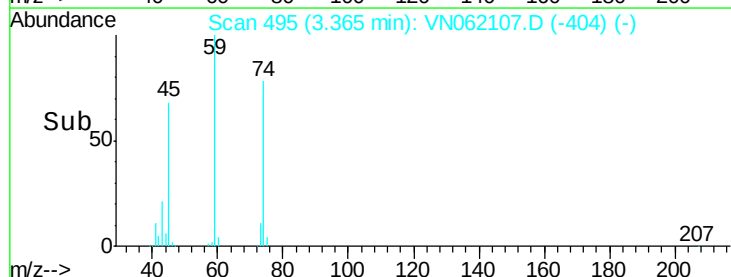
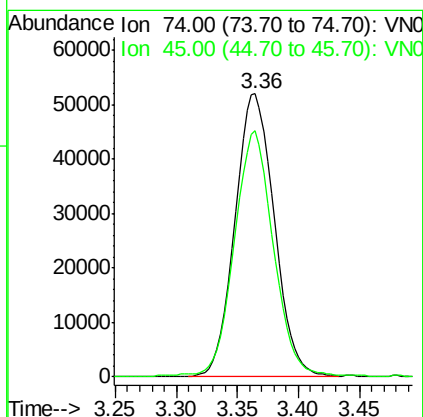
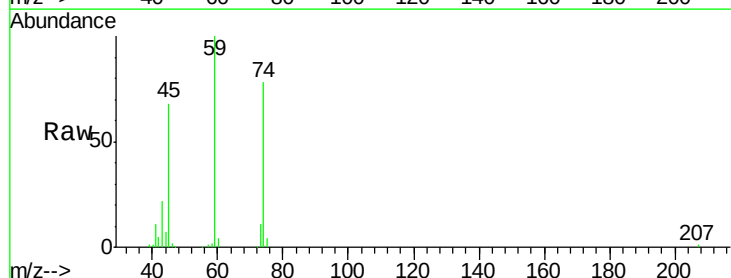
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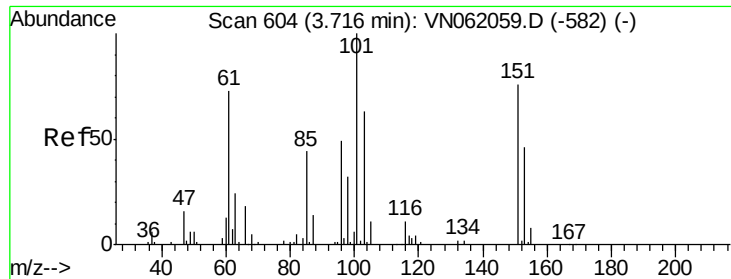


#8

Diethyl Ether
Concen: 55.857 ug/l
RT: 3.36 min Scan# 495
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116074		
45	84.3	42.5	127.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.615 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.03 min

Lab File: VN062107.D

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Instrument :

MSVOA_N

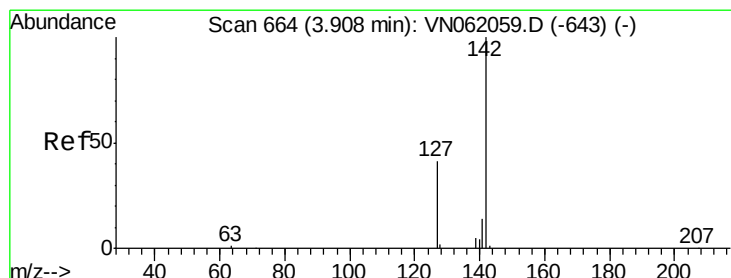
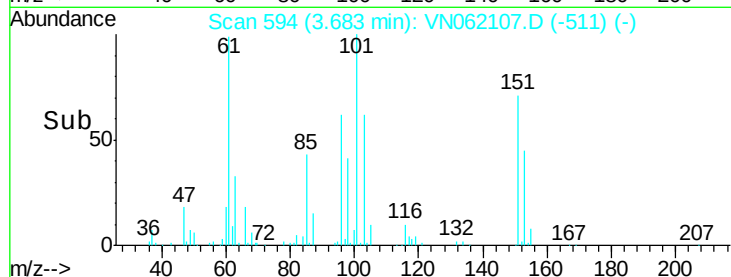
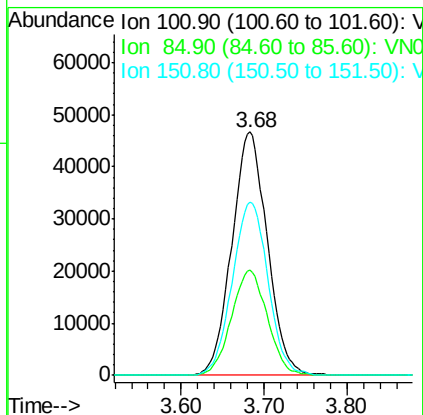
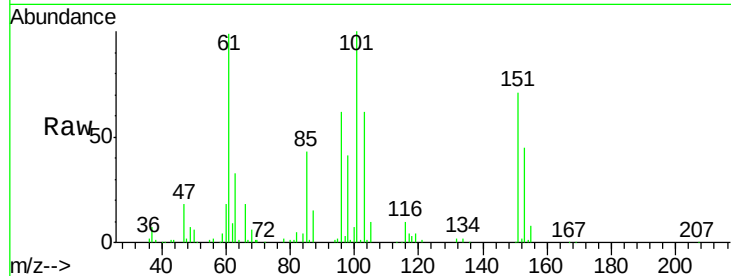
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	101	Resp:	139041
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.5	51.7
151	71.7	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 42.634 ug/l

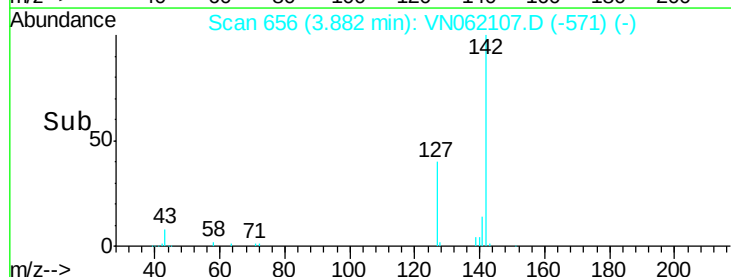
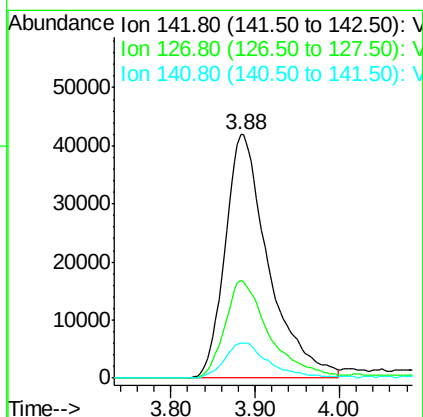
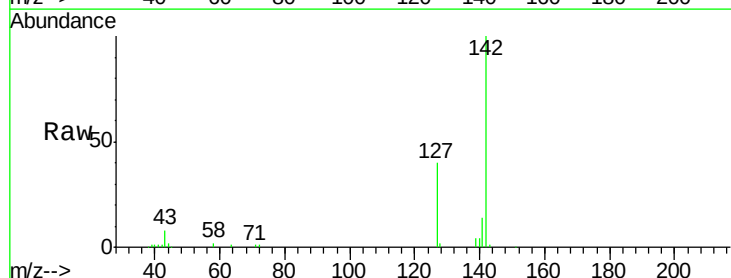
RT: 3.88 min Scan# 656

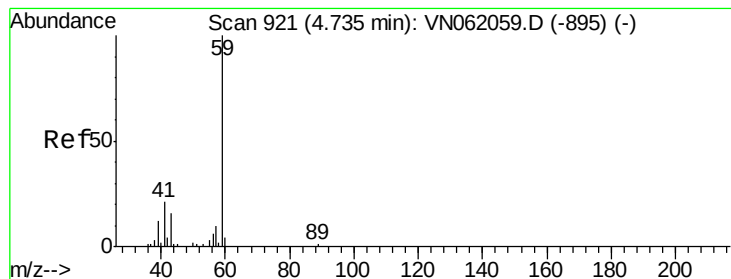
Delta R.T. -0.03 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	142	Resp:	149635
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.6	50.4
141	14.7	11.3	16.9





#11

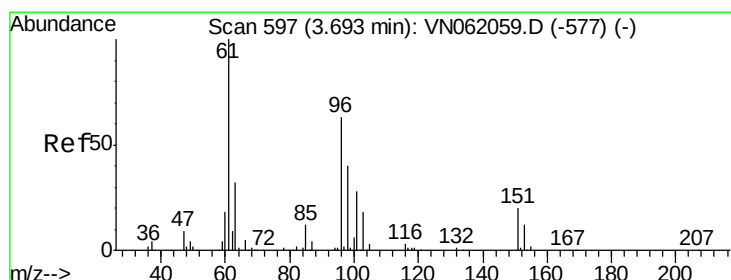
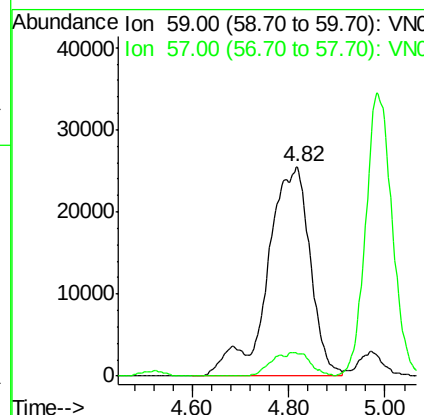
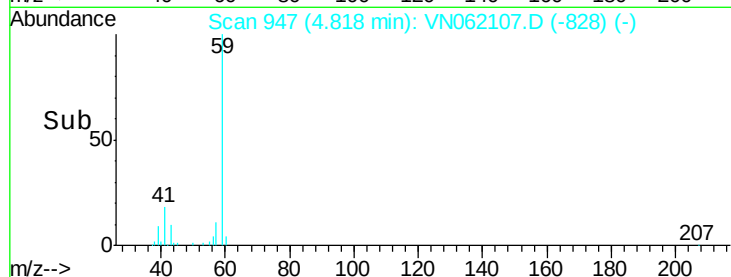
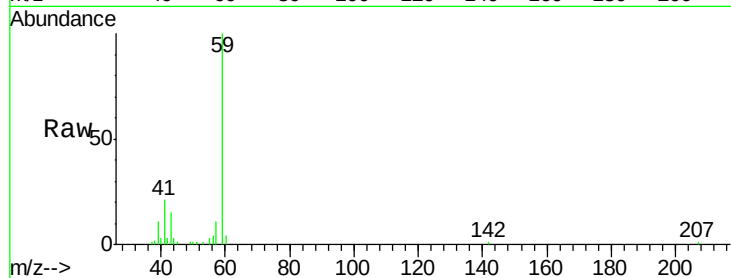
Tert butyl alcohol
 Concen: 287.338 ug/l m
 RT: 4.82 min Scan# 947
 Delta R.T. 0.08 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion: 59 Resp: 157085
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

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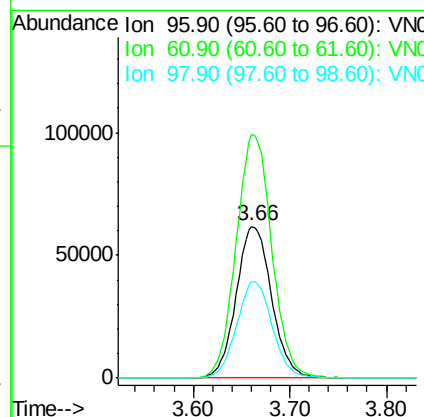
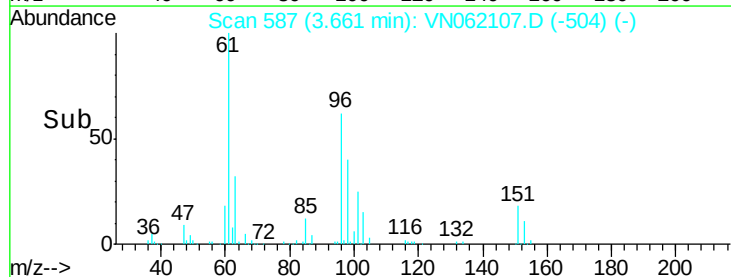
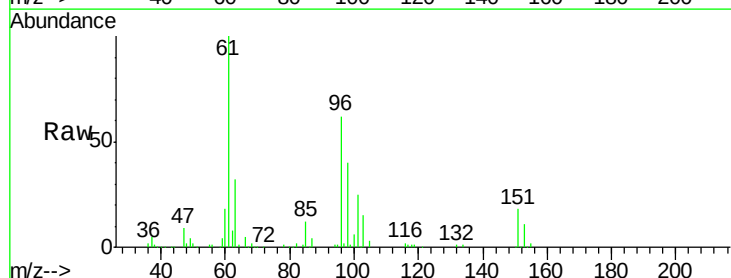
MMDadoda
 6/26/2020 7:01:07 PM

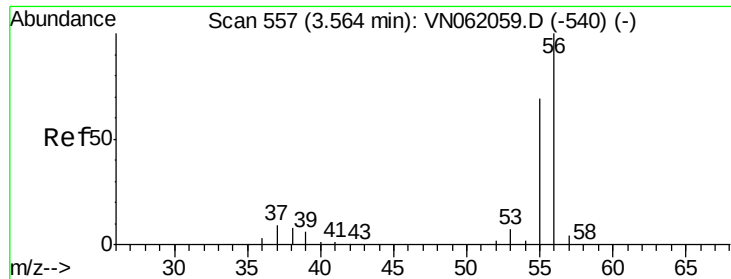


#12

1,1-Dichloroethene
 Concen: 50.471 ug/l
 RT: 3.66 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion: 96 Resp: 157241
 Ion Ratio Lower Upper
 96 100
 61 160.8 126.7 190.1
 98 63.7 51.0 76.4





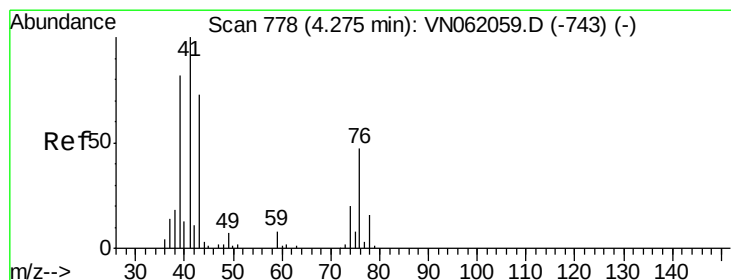
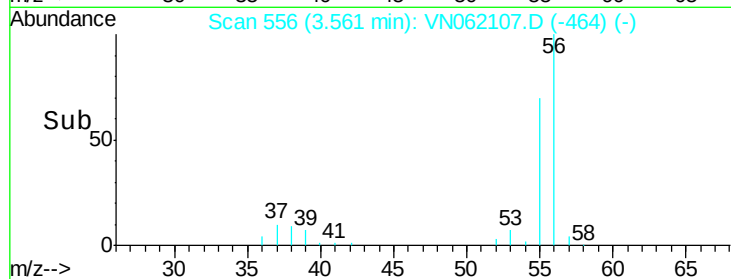
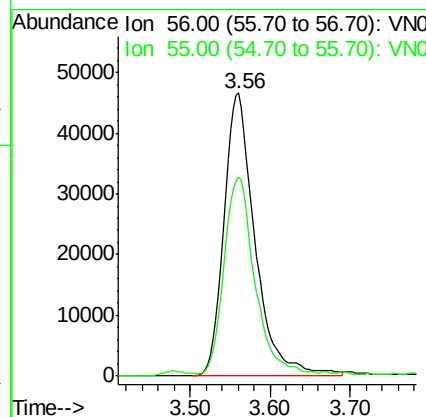
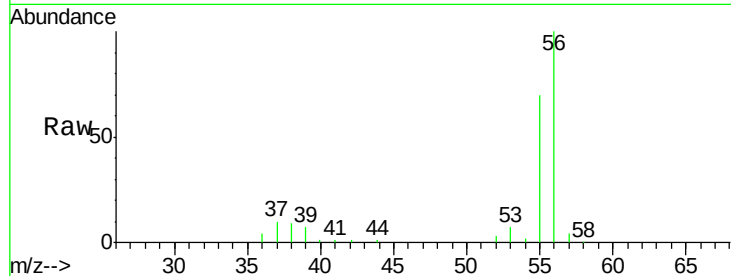
#13
Acrolein
Concen: 233.296 ug/l
RT: 3.56 min Scan# 556
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.3	55.5	83.3	

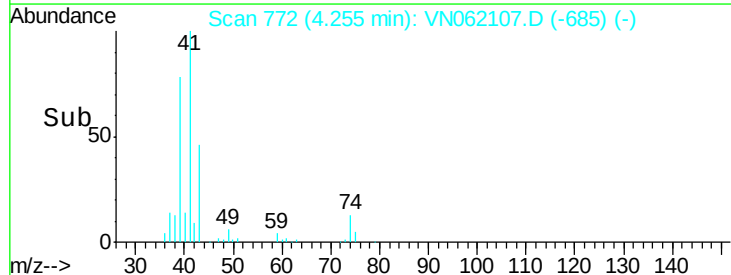
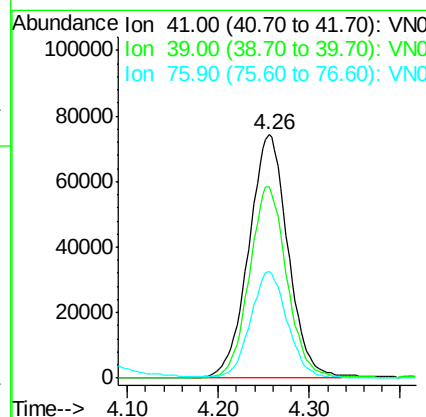
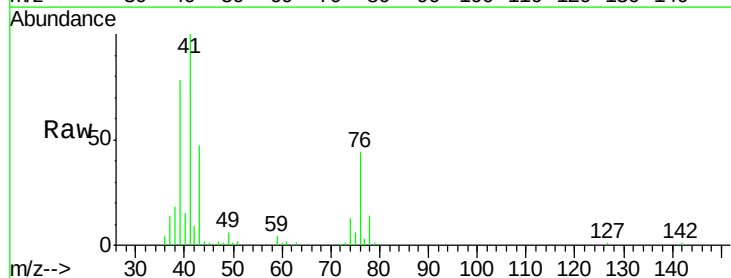
Manual Integrations
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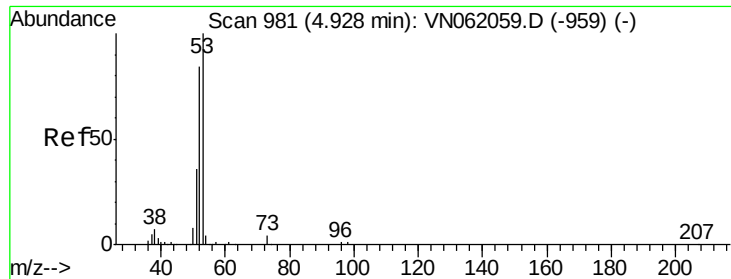
MMDadoda
6/26/2020 7:01:07 PM



#14
Allyl chloride
Concen: 52.505 ug/l
RT: 4.26 min Scan# 772
Delta R.T. -0.02 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.8	60.0	90.0	
76	40.3	34.1	51.1	





#15

Acrylonitrile

Concen: 274.195 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

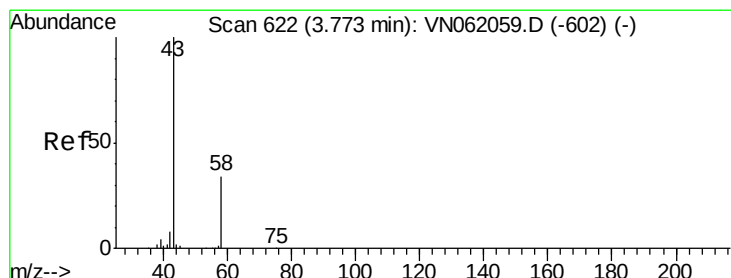
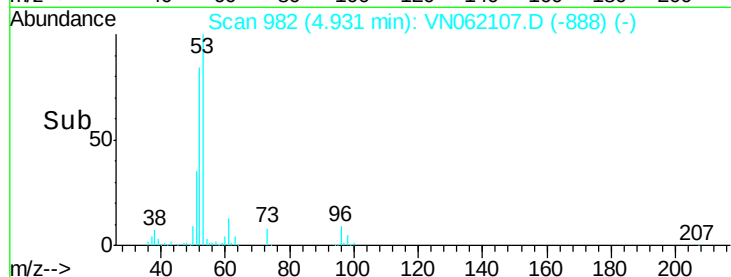
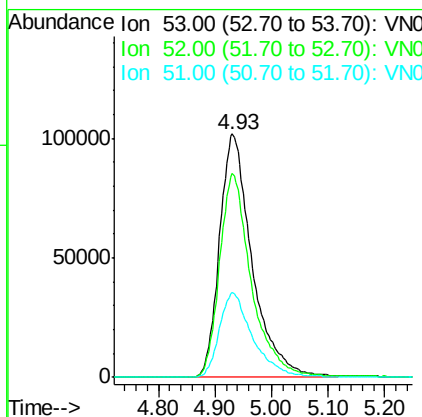
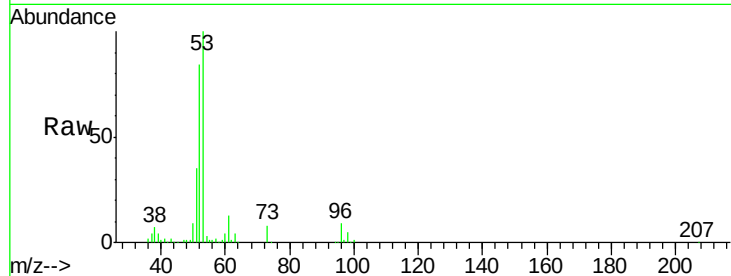
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	53	Resp:	408483
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.4
51	34.9	28.9	43.3

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#16

Acetone

Concen: 276.764 ug/l

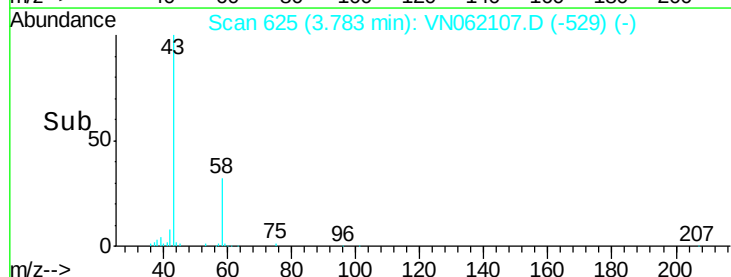
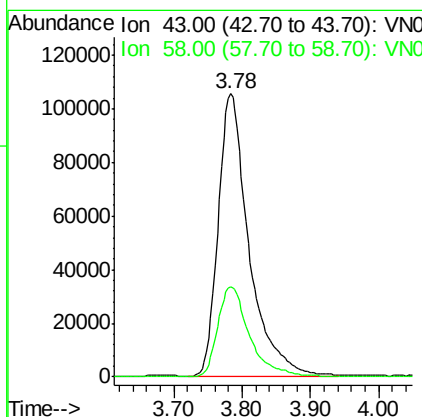
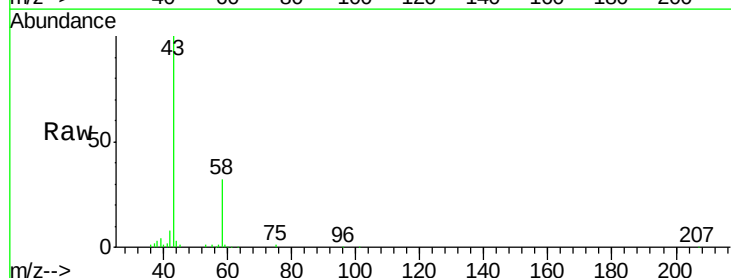
RT: 3.78 min Scan# 625

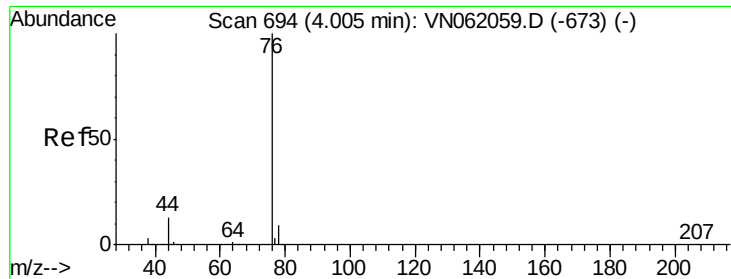
Delta R.T. 0.01 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	43	Resp:	330259
Ion Ratio	Lower	Upper	
43	100		
58	31.8	27.5	41.3





#17

Carbon Disulfide

Concen: 51.375 ug/l

RT: 3.98 min Scan# 686

Delta R.T. -0.03 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 76 Resp: 458463

Ion Ratio Lower Upper

76 100

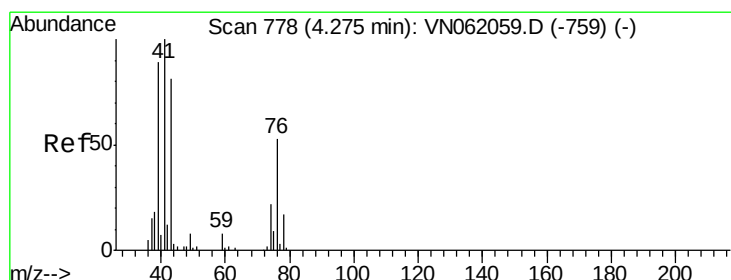
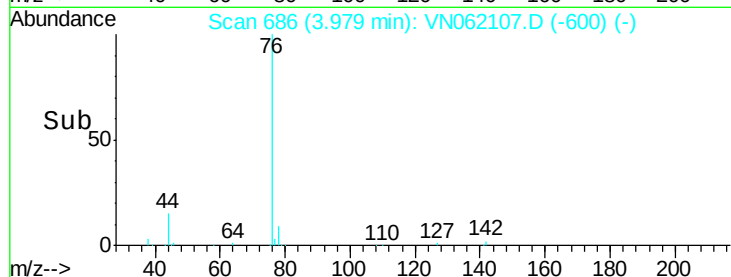
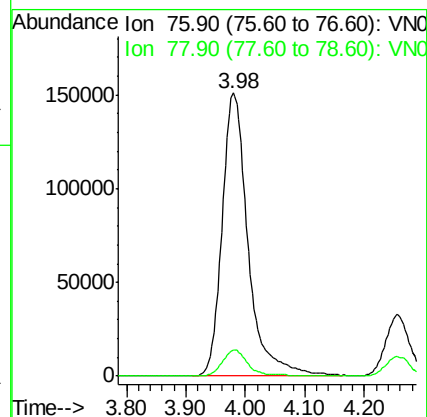
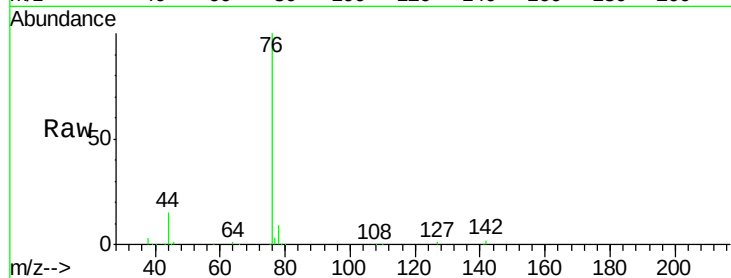
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 59.323 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062107.D

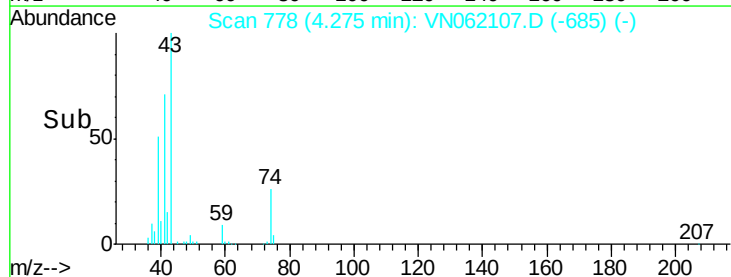
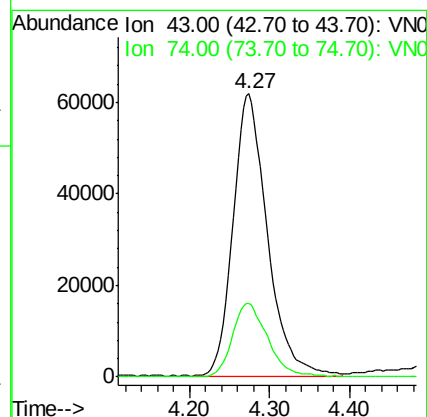
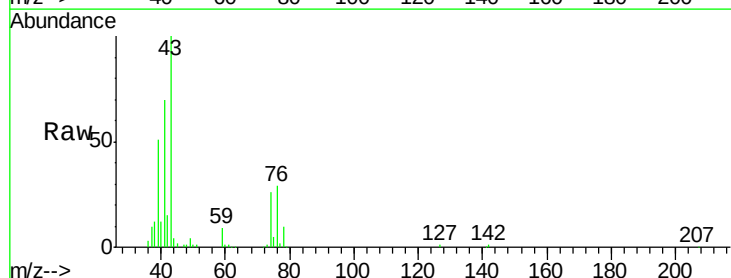
Acq: 25 Jun 2020 13:40

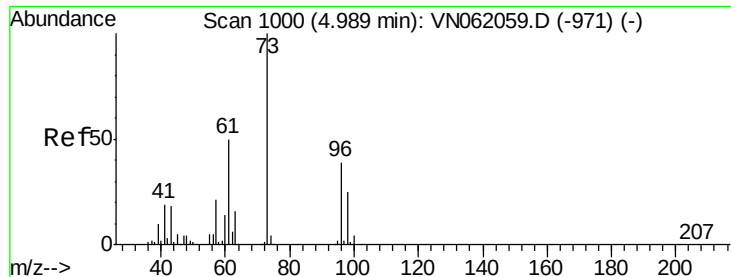
Tgt Ion: 43 Resp: 179562

Ion Ratio Lower Upper

43 100

74 27.0 22.9 34.3





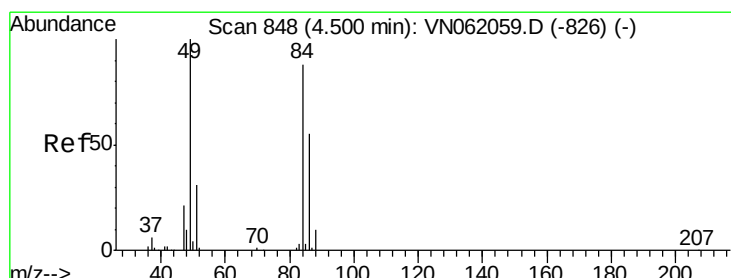
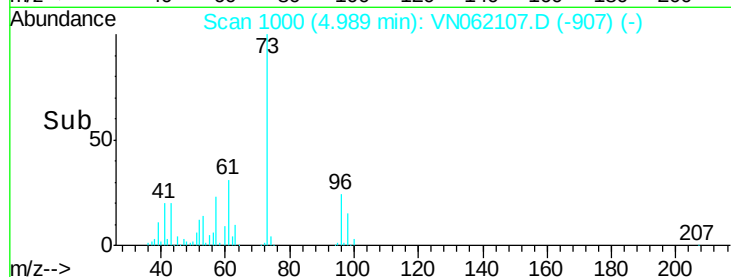
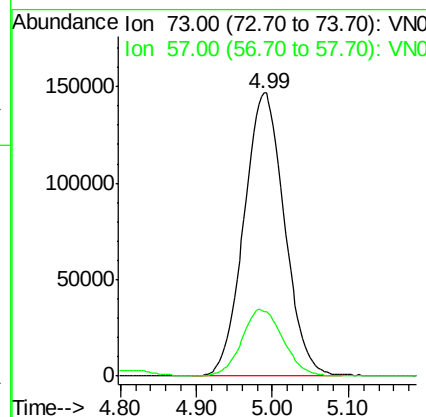
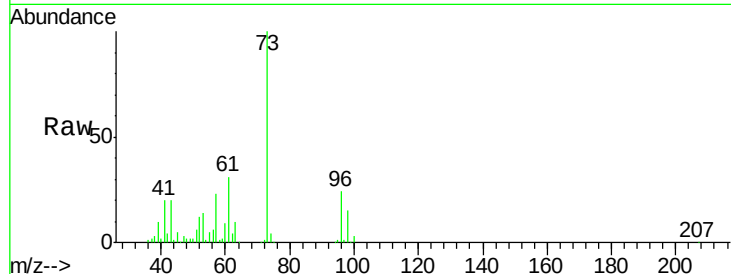
#19
Methvl tert-butyl Ether
Concen: 54.686 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 73 Resp: 544417
Ion Ratio Lower Upper
73 100
57 23.0 16.6 24.8

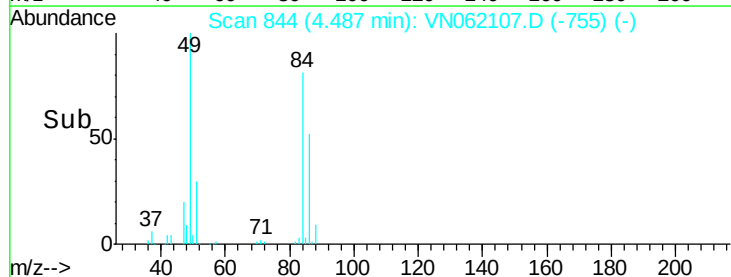
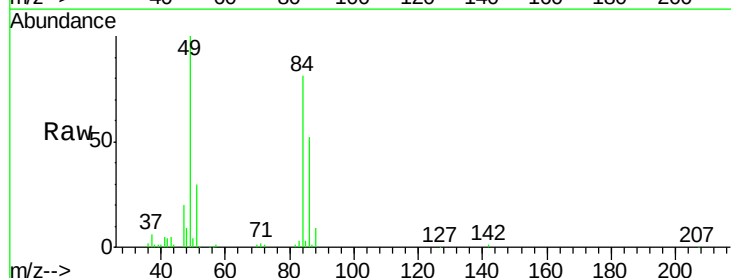
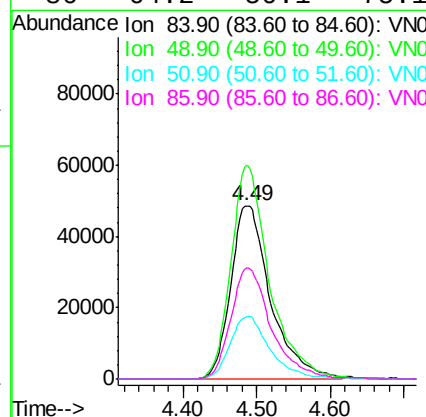
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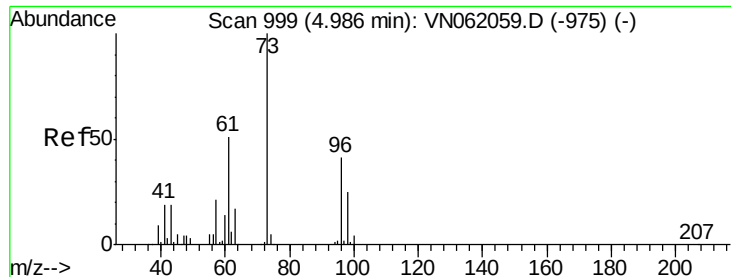
MMDadoda
6/26/2020 7:01:07 PM



#20
Methylene Chloride
Concen: 52.382 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion: 84 Resp: 183059
Ion Ratio Lower Upper
84 100
49 123.4 90.6 136.0
51 36.4 27.8 41.8
86 64.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 47.715 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.02 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

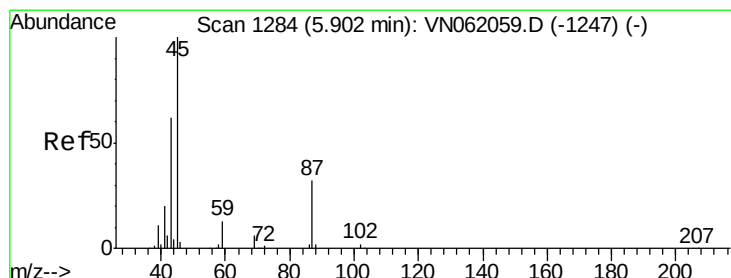
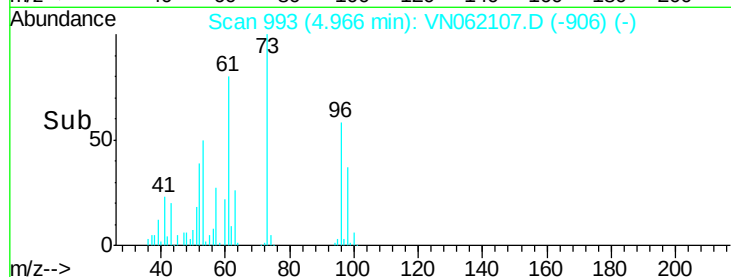
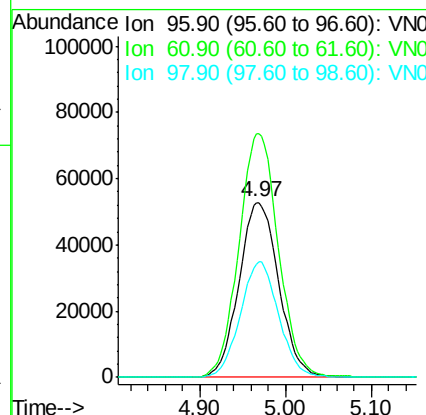
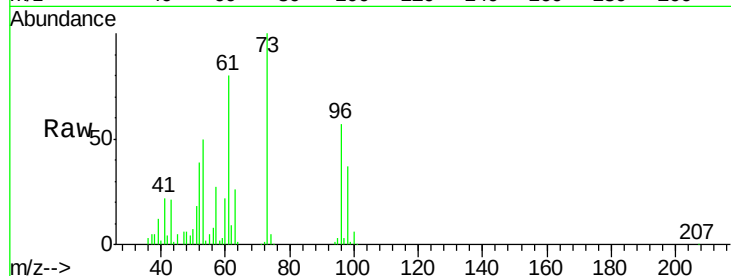
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	96	Resp:	169349
Ion	Ratio	Lower	Upper
96	100		
61	139.0	101.4	152.2
98	64.7	49.3	73.9

Manual Integrations
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6/26/2020 7:01:07 PM



#22

Diisopropyl ether

Concen: 54.640 ug/l

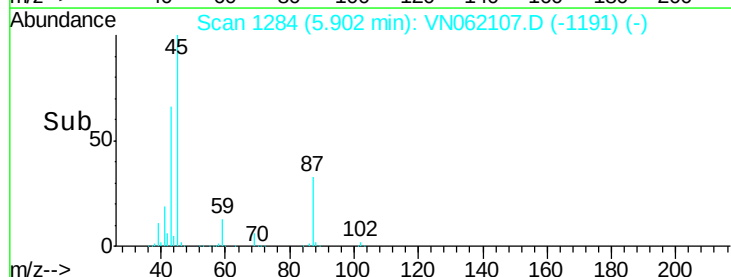
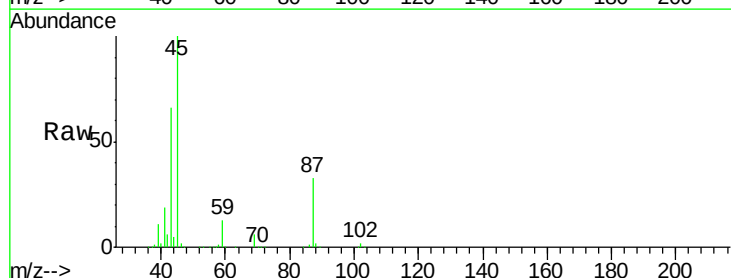
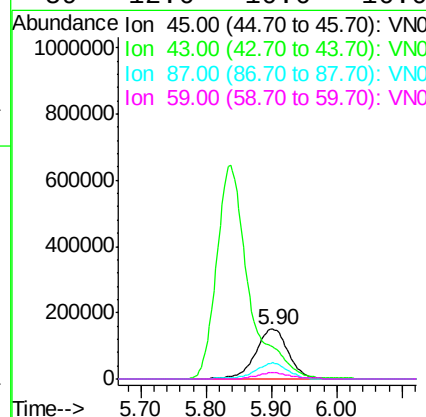
RT: 5.90 min Scan# 1284

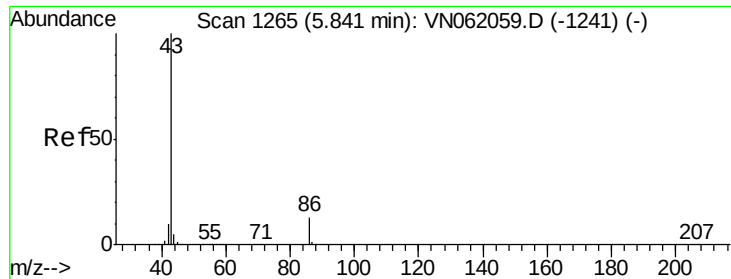
Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	45	Resp:	527713
Ion	Ratio	Lower	Upper
45	100		
43	64.4	49.7	74.5
87	32.6	25.9	38.9
59	12.6	10.6	16.0





#23

Vinyl Acetate

Concen: 281.687 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 2221151

Ion Ratio Lower Upper

43 100

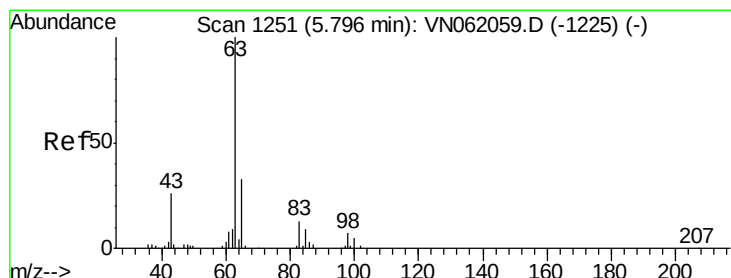
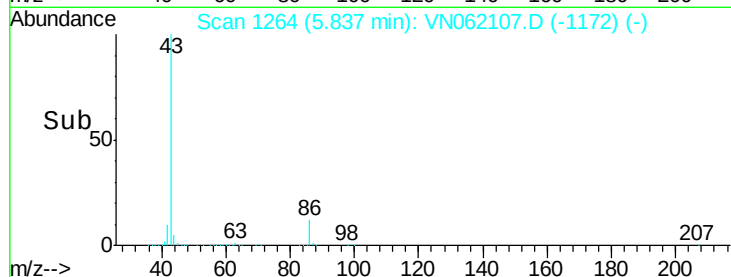
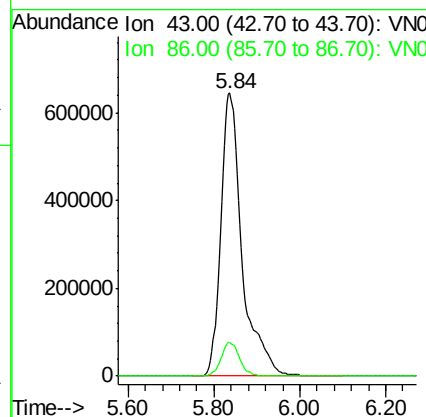
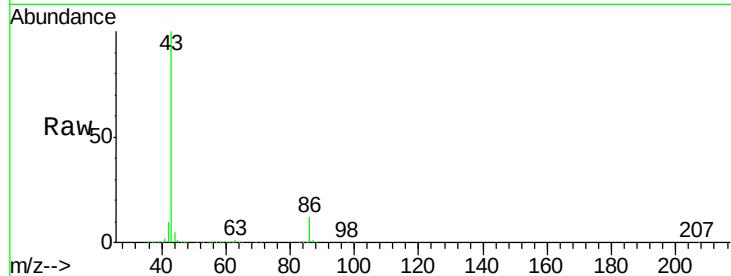
86 11.8 10.1 15.1

Manual Integrations

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MMDadoda

6/26/2020 7:01:07 PM



#24

1,1-Dichloroethane

Concen: 49.938 ug/l

RT: 5.79 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

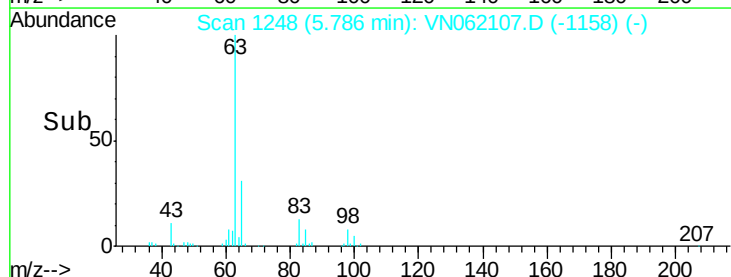
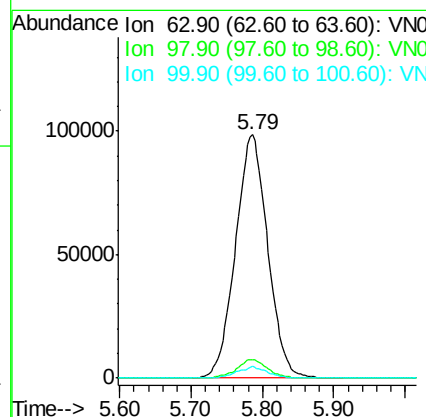
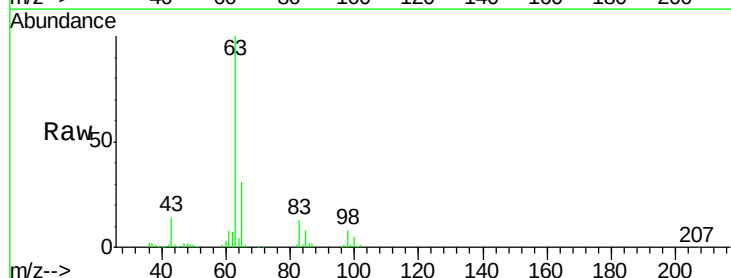
Tgt Ion: 63 Resp: 310571

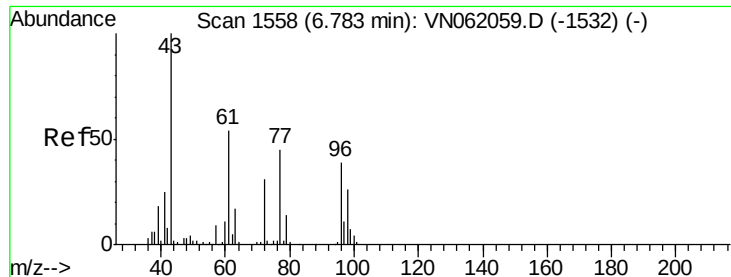
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.7 2.4 7.1





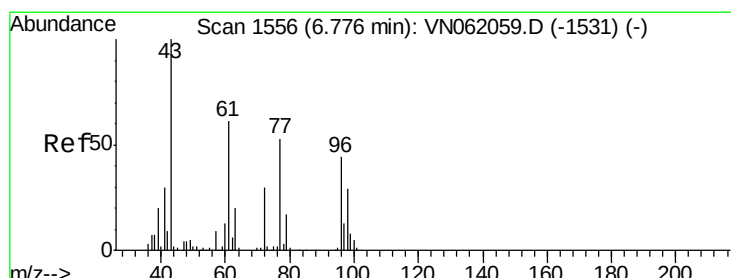
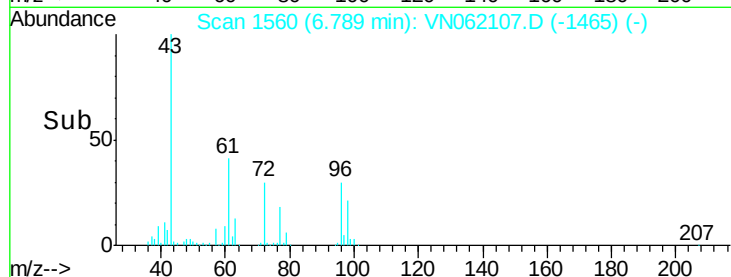
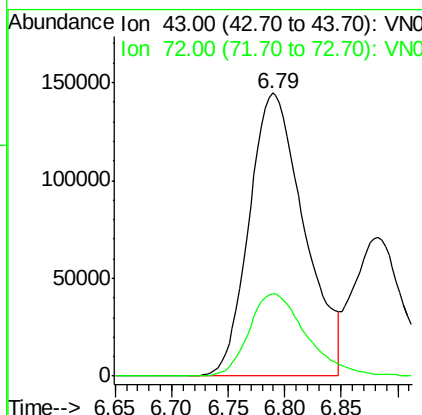
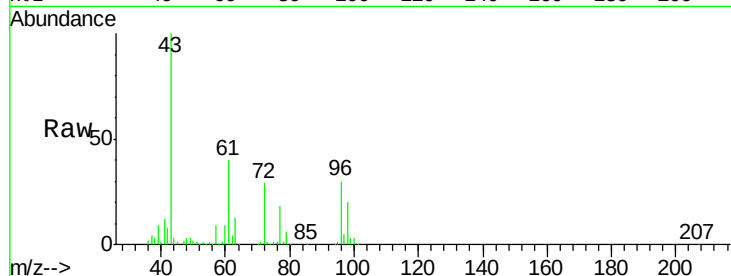
#25
2-Butanone
Concen: 262.206 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 487996
Ion Ratio Lower Upper
43 100
72 29.1 24.8 37.2

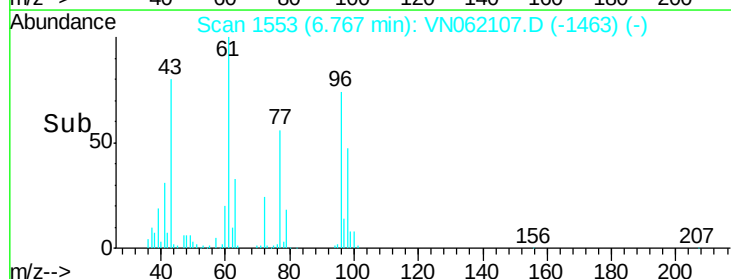
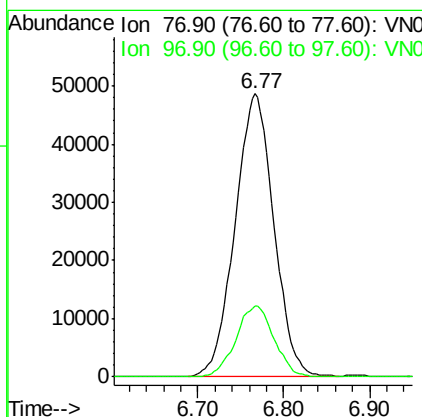
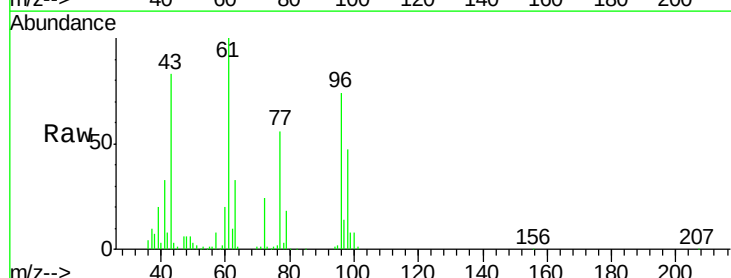
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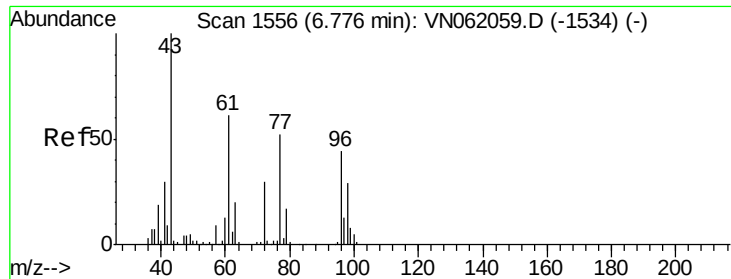
MMDadoda
6/26/2020 7:01:07 PM



#26
2,2-Dichloropropane
Concen: 29.409 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion: 77 Resp: 152411
Ion Ratio Lower Upper
77 100
97 24.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.355 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

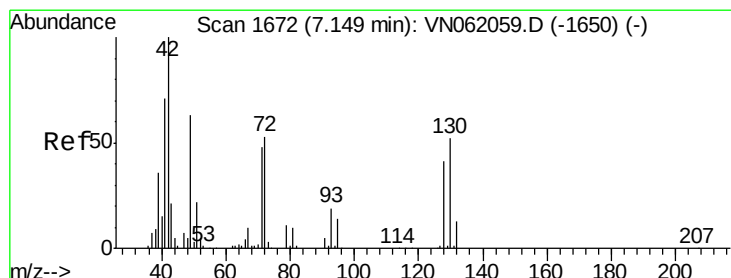
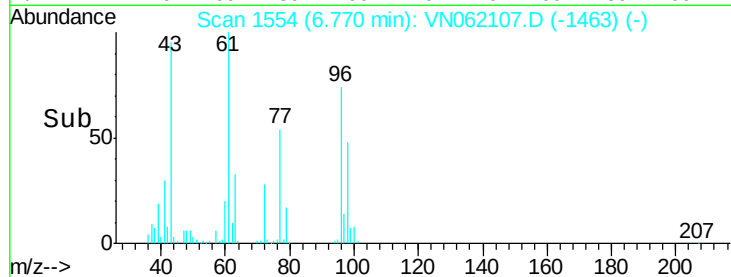
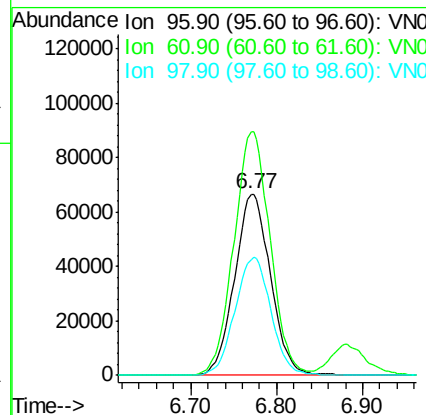
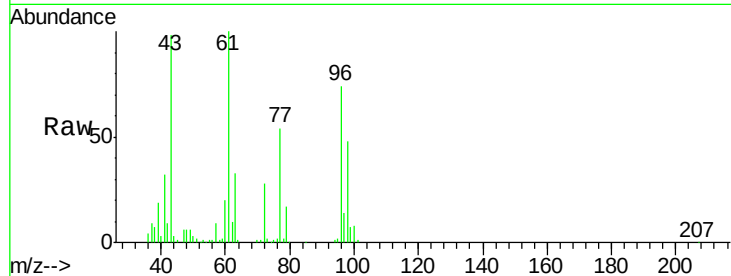
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193118		
61	135.6	0.0	280.4	
98	65.4	0.0	129.4	

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#28

Bromochloromethane

Concen: 48.663 ug/l

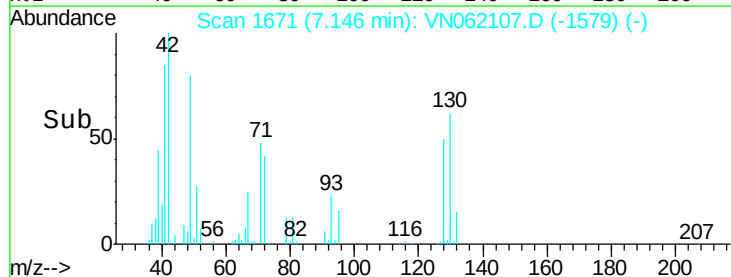
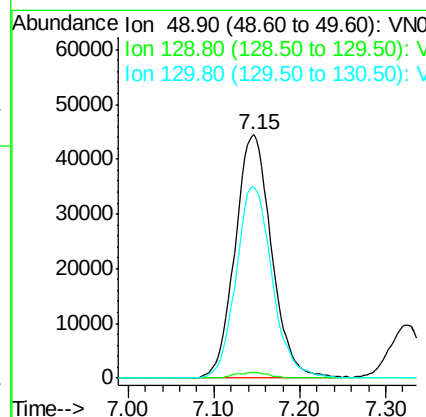
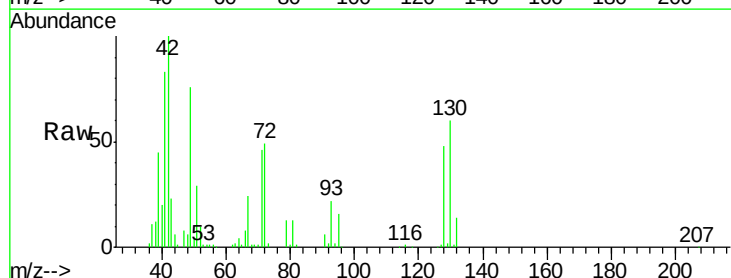
RT: 7.15 min Scan# 1671

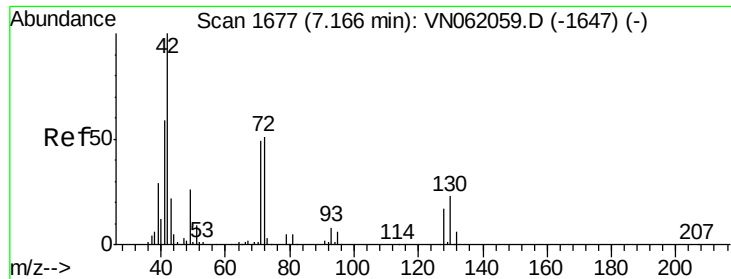
Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131311		
129	2.1	0.0	4.4	
130	77.7	65.5	98.3	





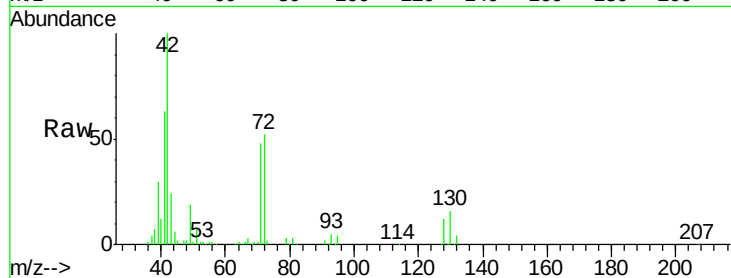
#29
Tetrahydrofuran
Concen: 272.211 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

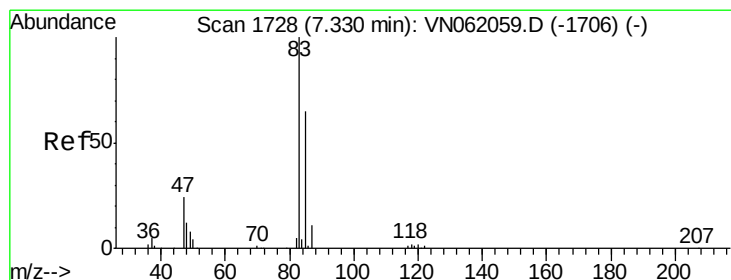
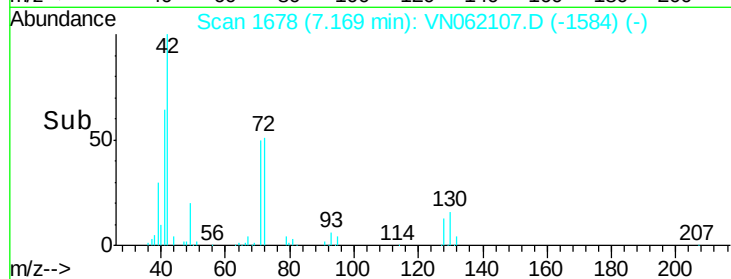
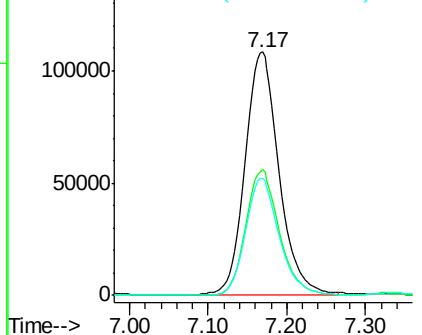
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	41.1	61.7
71	47.6	38.2	57.4

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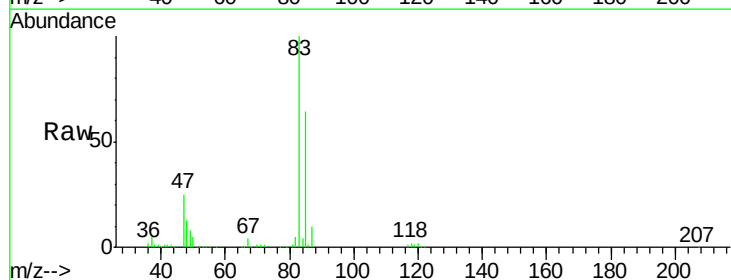


Abundance Ion 42.00 (41.70 to 42.70): VN062107.D (-1647) (-)
Ion 72.00 (71.70 to 72.70): VN062107.D (-1647) (-)
Ion 71.00 (70.70 to 71.70): VN062107.D (-1647) (-)

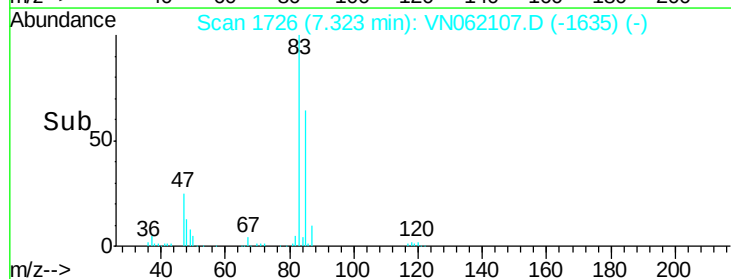
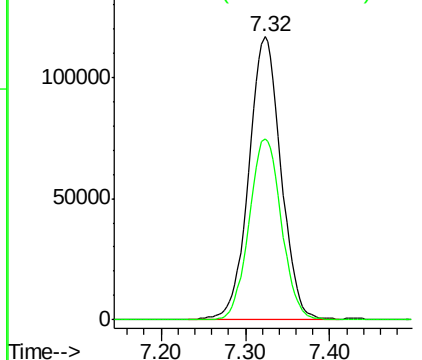


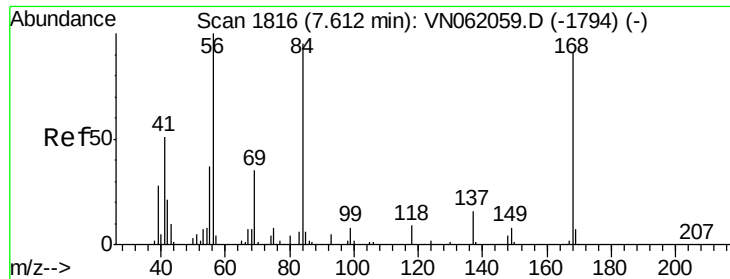
#30
Chloroform
Concen: 48.786 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VN062107.D (-1635) (-)
Ion 84.90 (84.60 to 85.60): VN062107.D (-1635) (-)





#31

Cyclohexane

Concen: 58.828 ug/l

RT: 7.60 min Scan# 1813

Delta R.T. -0.01 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

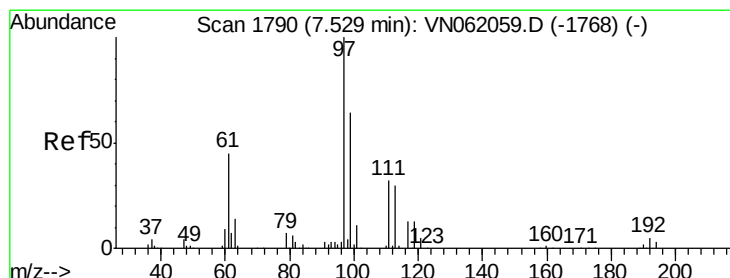
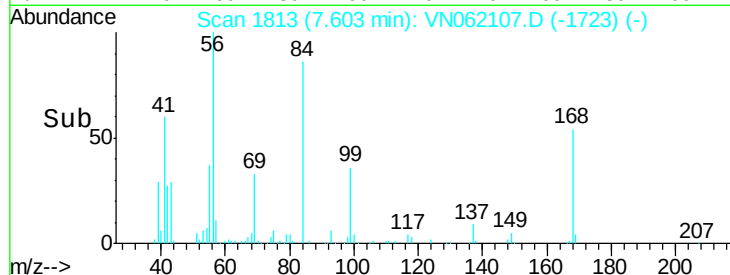
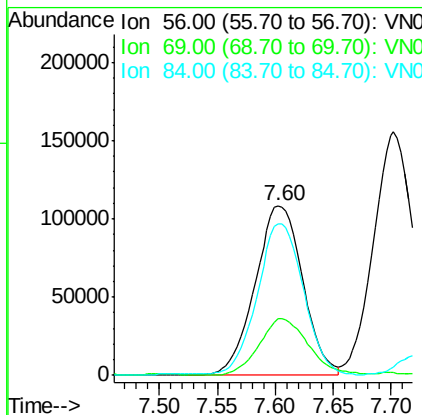
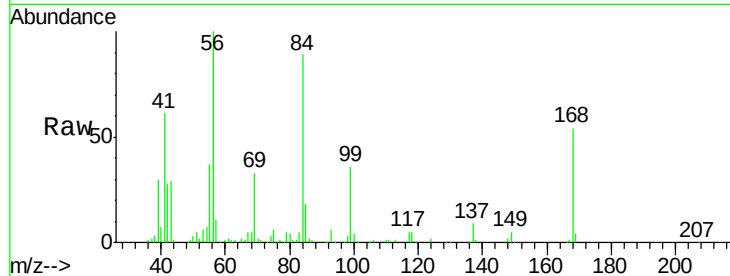
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	56	Resp:	309472
Ion	Ratio	Lower	Upper
56	100		
69	32.8	28.0	42.0
84	88.1	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 47.586 ug/l

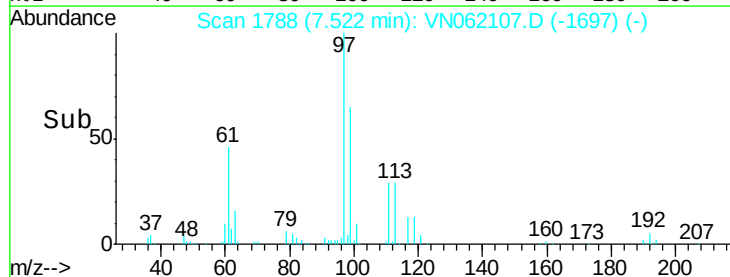
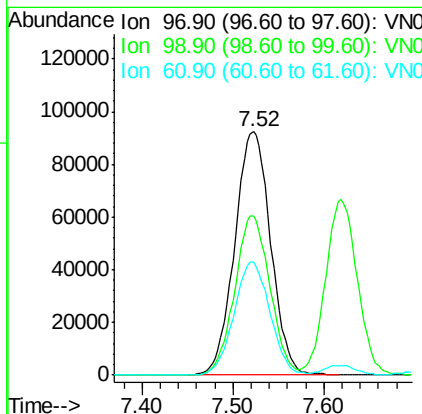
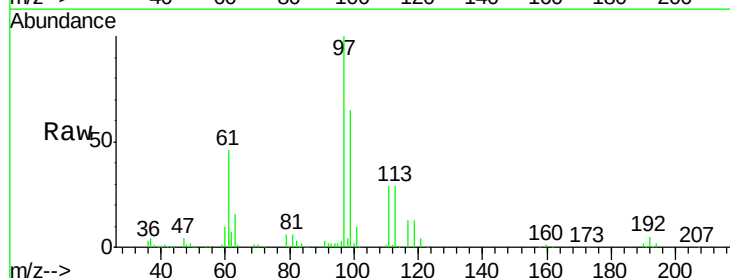
RT: 7.52 min Scan# 1788

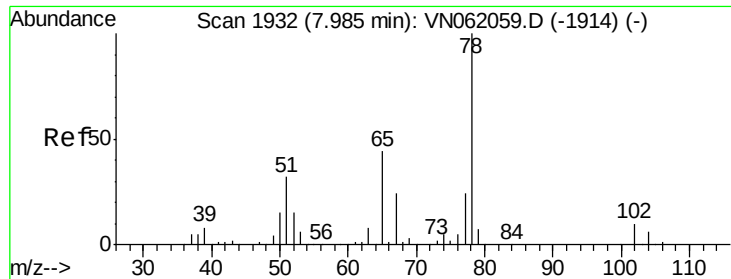
Delta R.T. -0.01 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	97	Resp:	253925
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	46.5	36.2	54.2





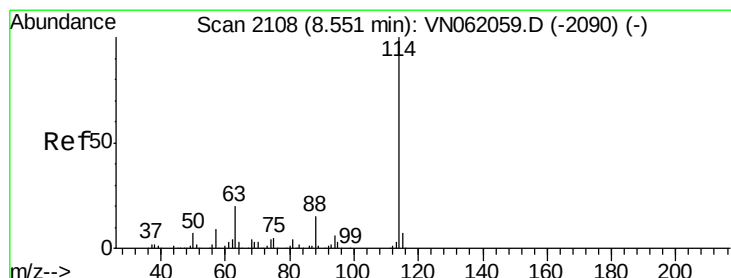
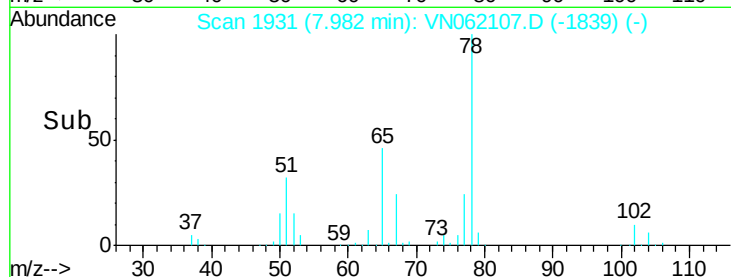
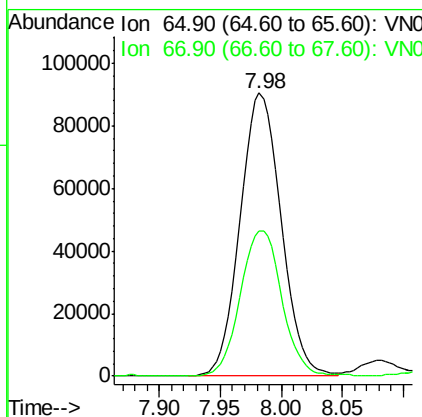
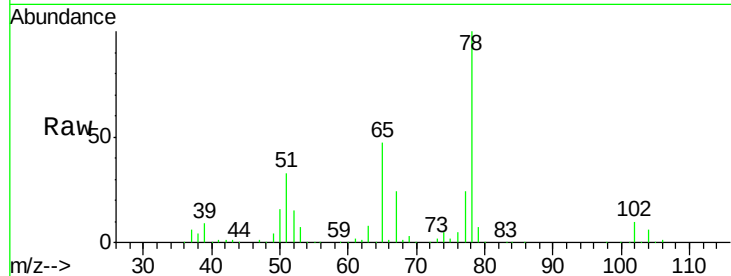
#33
 1,2-Dichloroethane-d4
 Concen: 55.449 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211130		
67	52.0	0.0	106.2	

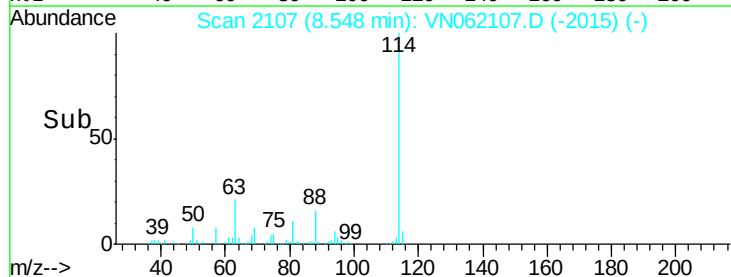
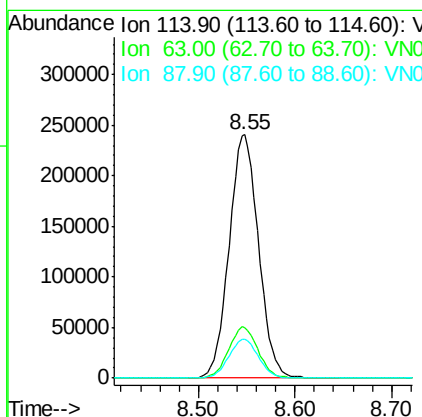
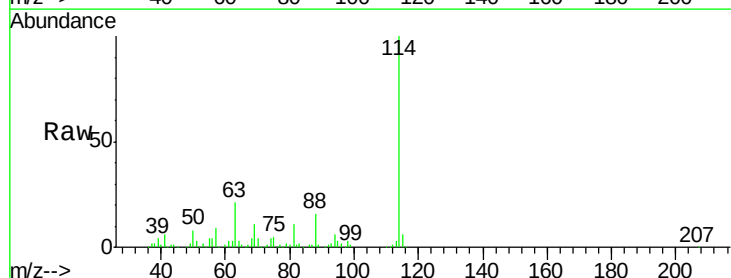
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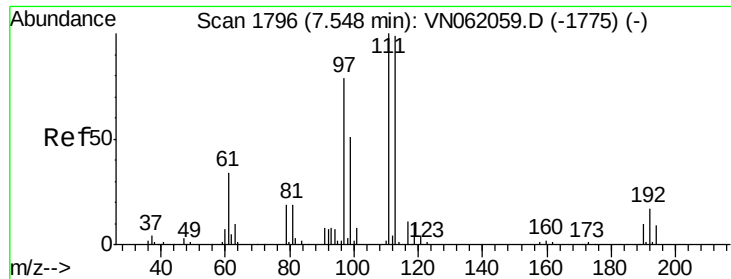
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	507688		
63	20.9	0.0	39.2	
88	16.1	0.0	30.8	





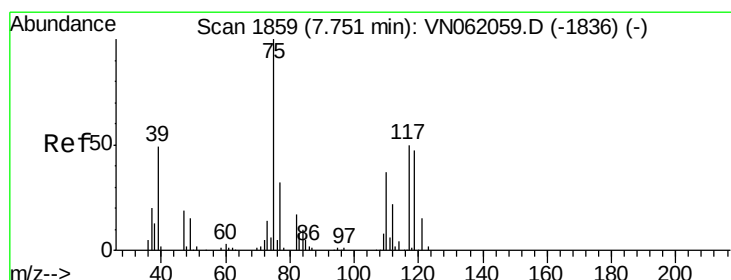
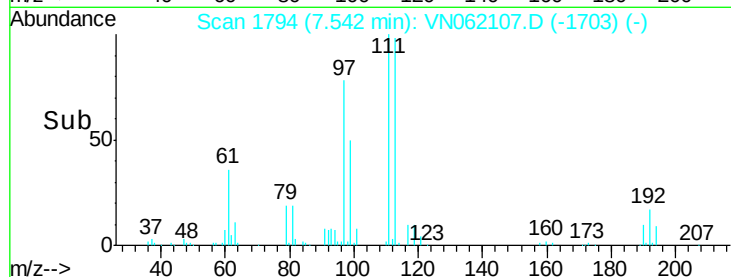
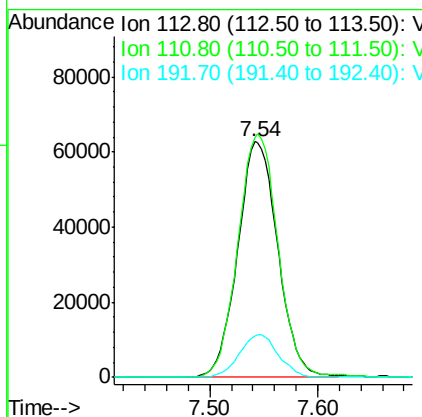
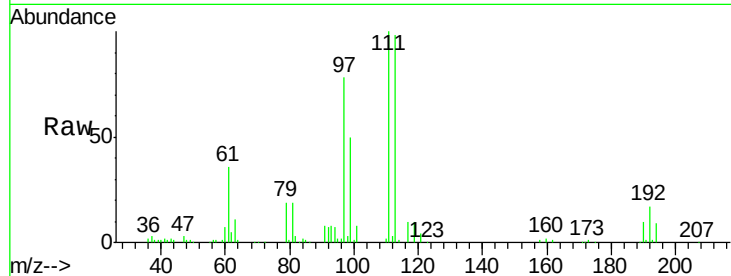
#35
 Dibromofluoromethane
 Concen: 49.796 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162190		
111	103.4	82.2	123.4	
192	17.4	14.0	21.0	

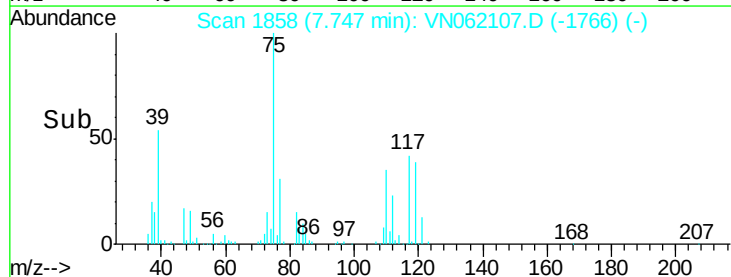
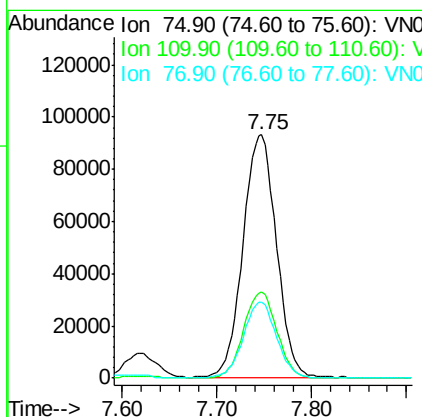
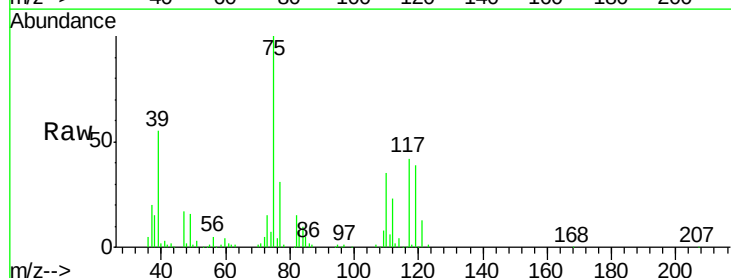
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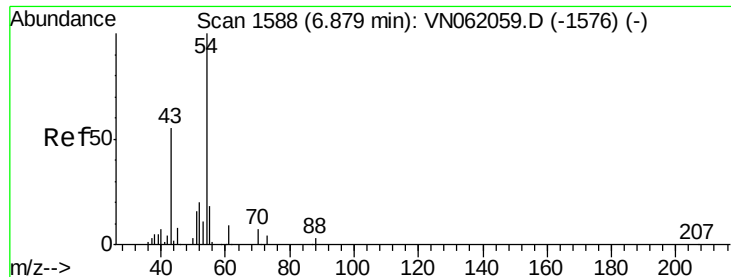
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#36
 1,1-Dichloropropene
 Concen: 44.815 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	228692		
110	35.2	17.9	53.8	
77	31.4	24.9	37.3	





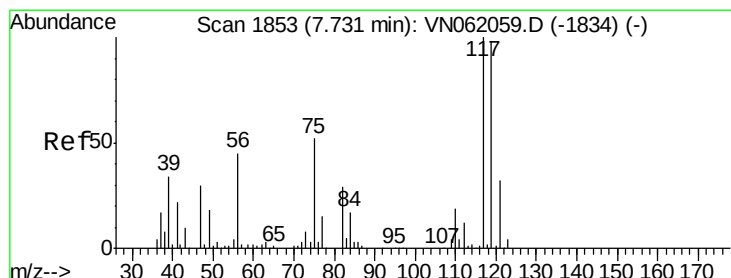
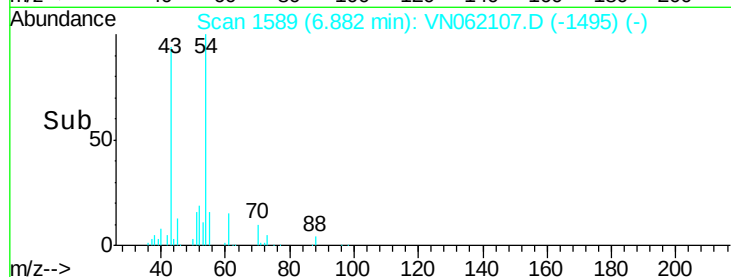
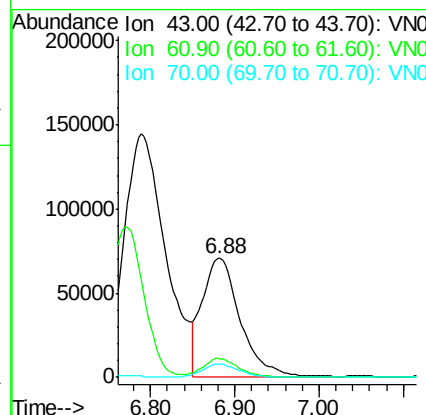
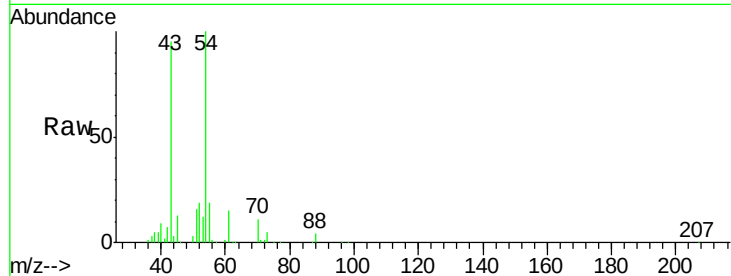
#37
Ethyl Acetate
Concen: 51.850 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.8	9.6	14.4

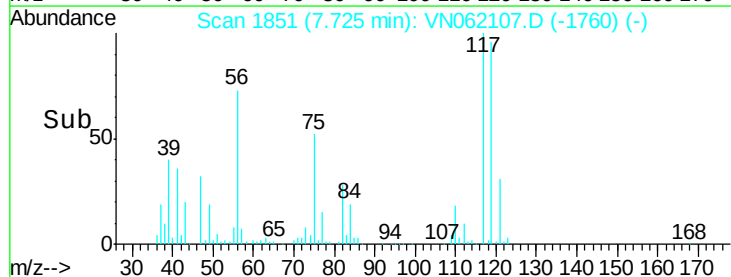
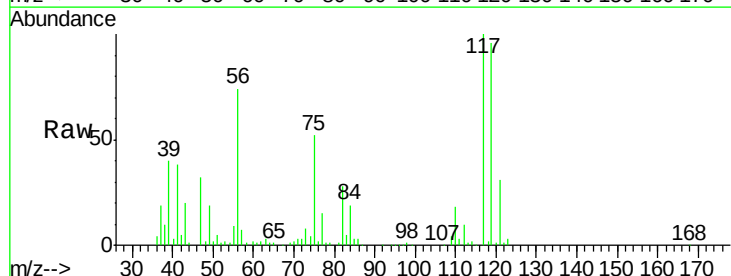
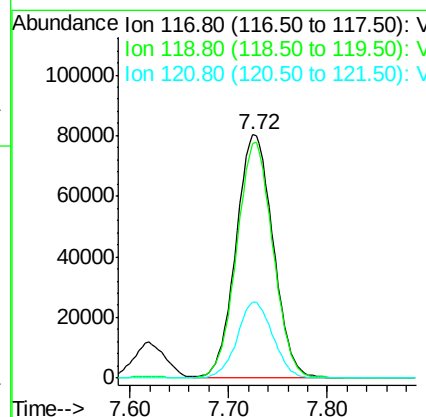
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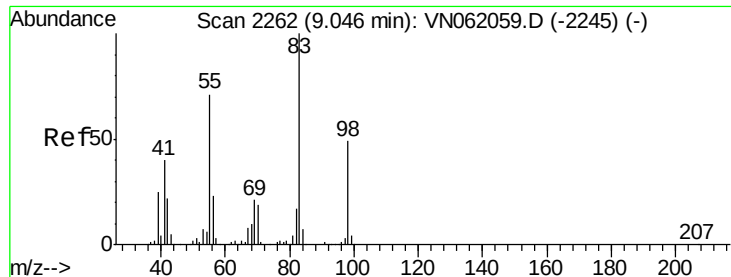
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#38
Carbon Tetrachloride
Concen: 43.525 ug/l
RT: 7.72 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.2	117.2
121	31.1	25.8	38.6





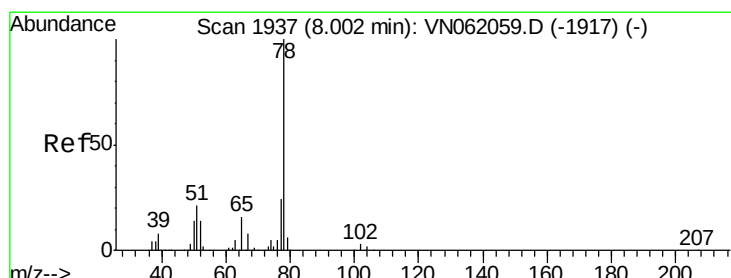
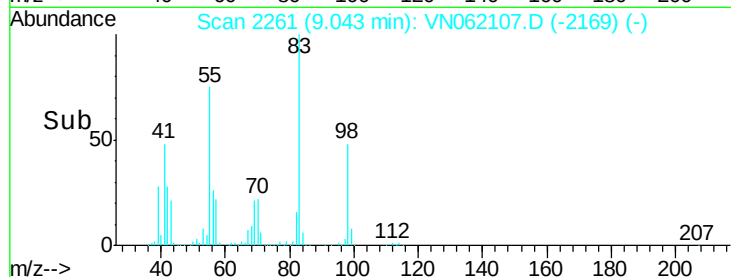
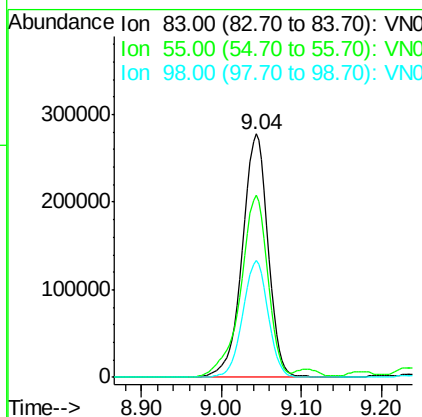
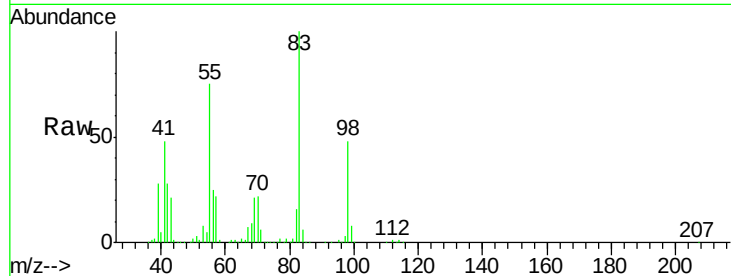
#39
Methylvlcyclohexane
Concen: 107.421 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	600624		
55	74.8		57.0	85.6
98	47.9		39.0	58.6

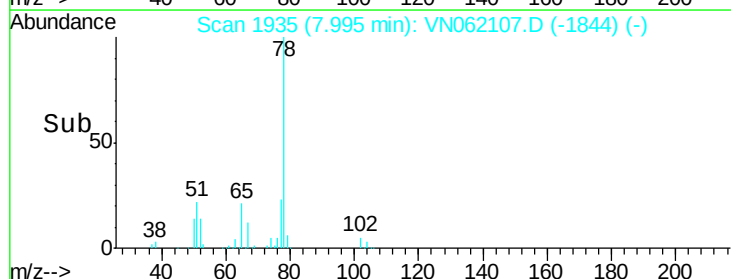
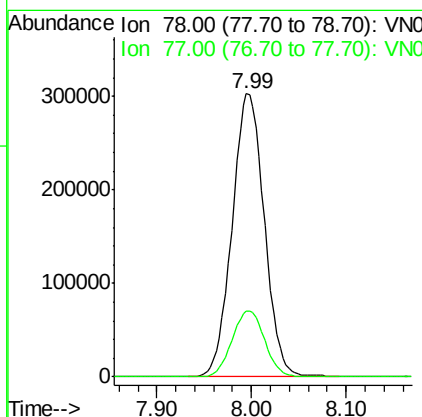
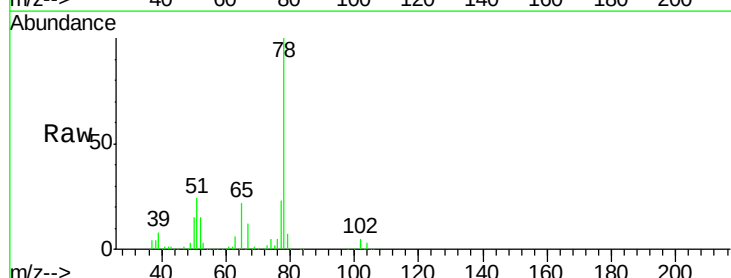
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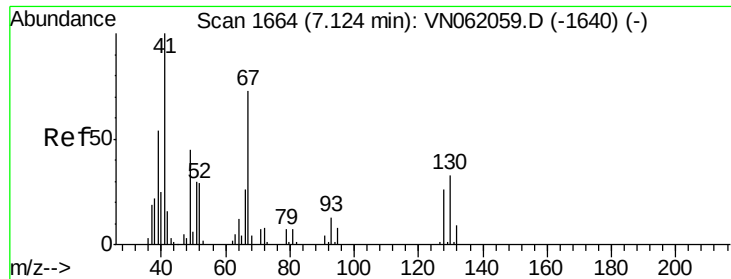
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#40
Benzene
Concen: 46.019 ug/l
RT: 7.99 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	715770		
77	23.2		19.5	29.3





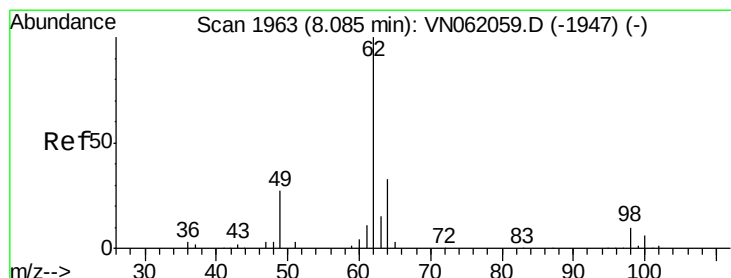
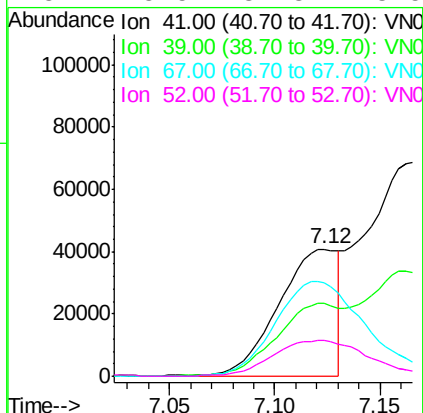
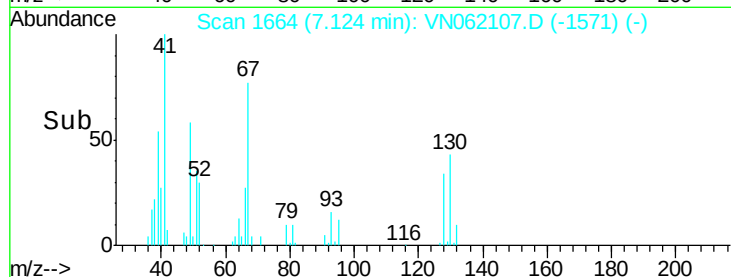
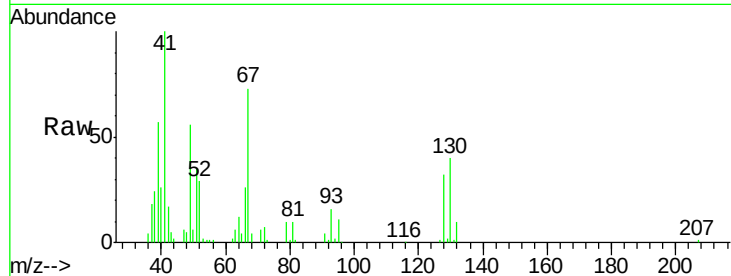
#41
Methacrylonitrile
Concen: 40.264 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.6	44.2	66.2	
67	117.4	79.5	119.3	
52	45.5	32.3	48.5	

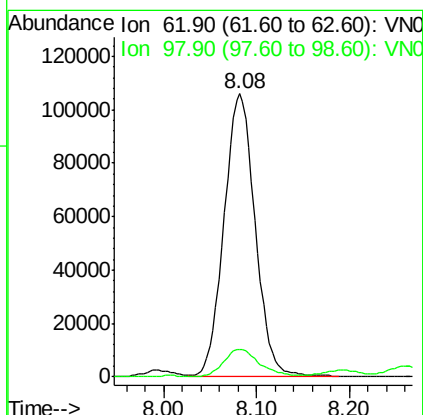
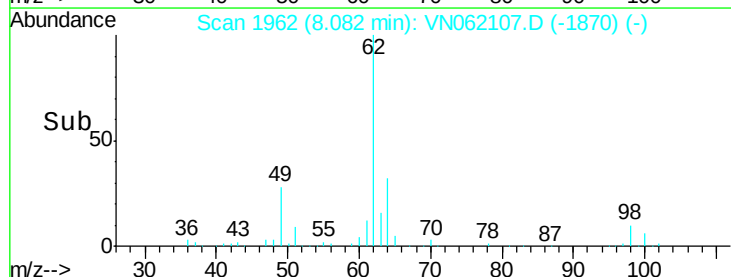
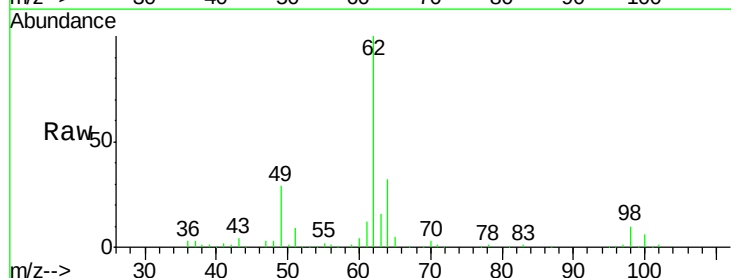
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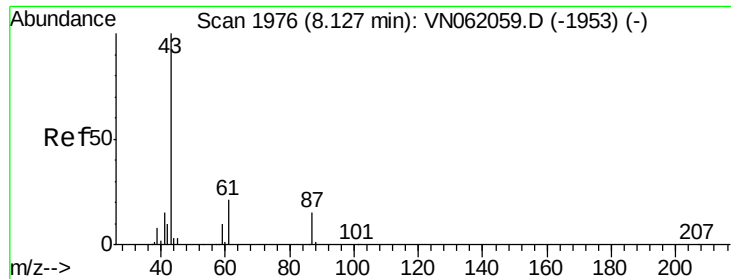
MMDadoda
6/26/2020 7:01:07 PM



#42
1,2-Dichloroethane
Concen: 46.802 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.5	0.0	19.8	





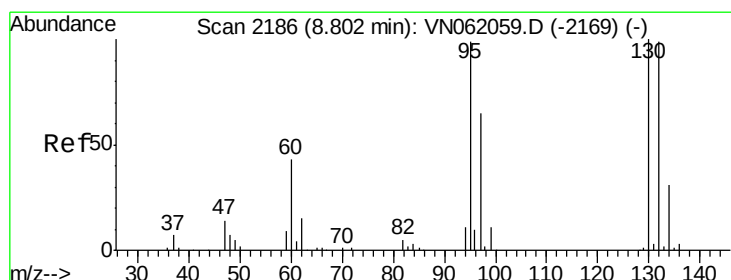
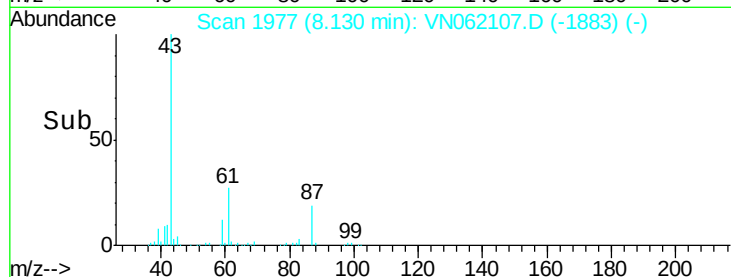
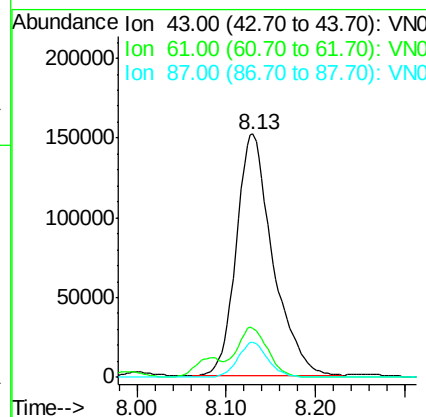
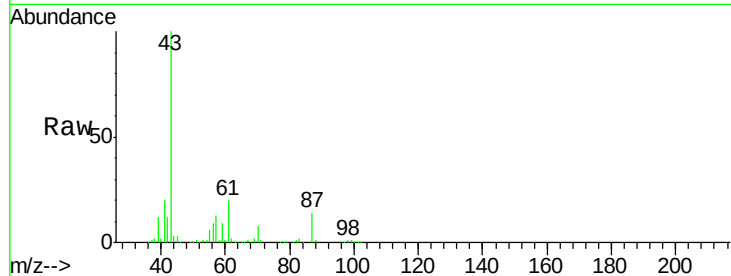
#43
Isopropyl Acetate
Concen: 62.547 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	17.2	25.8
87	11.8	12.1	18.1#

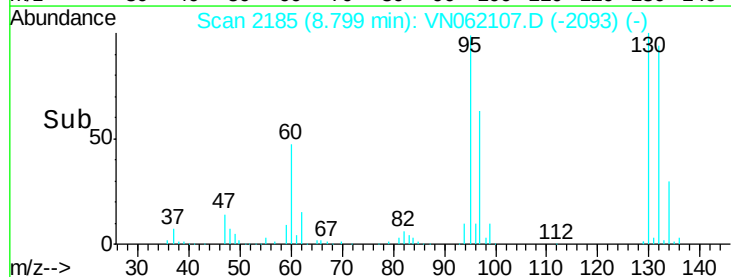
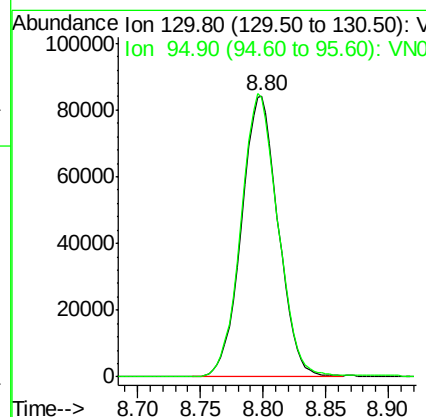
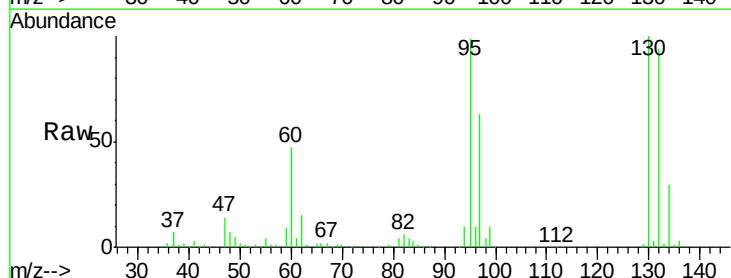
Manual Integrations
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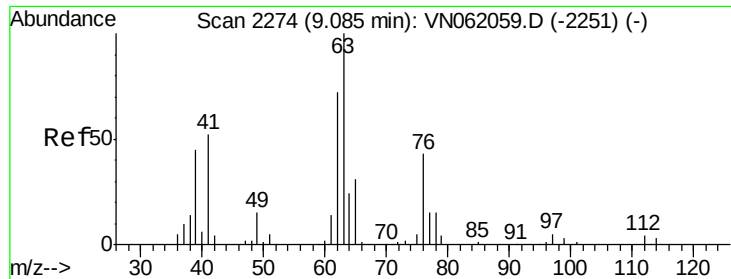
MMDadoda
6/26/2020 7:01:07 PM



#44
Trichloroethene
Concen: 43.603 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	197.8





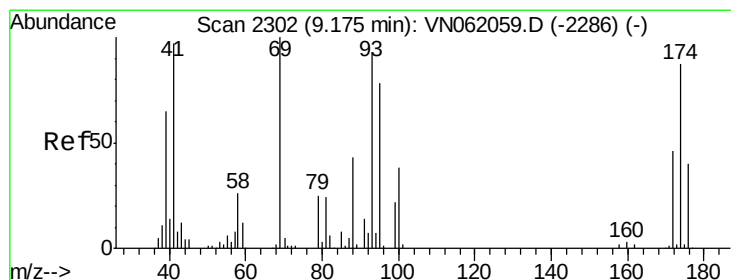
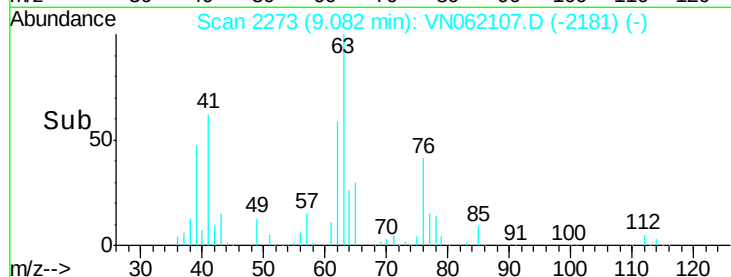
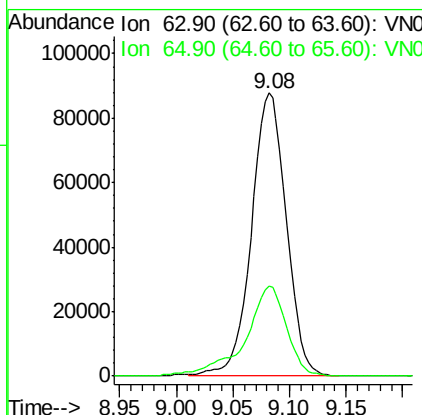
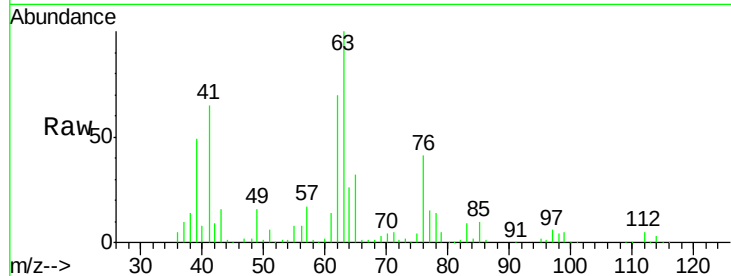
#45
 1,2-Dichloropropane
 Concen: 48.552 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion: 63 Resp: 186304
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

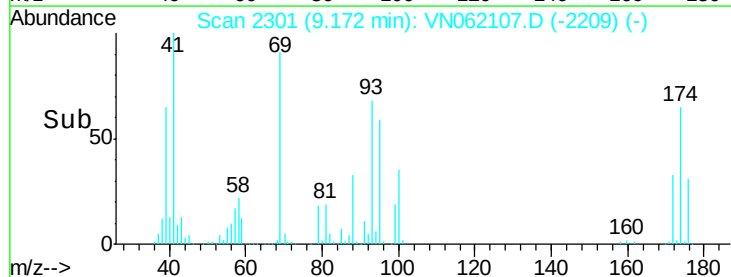
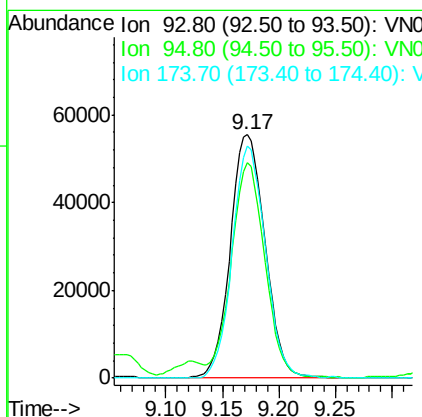
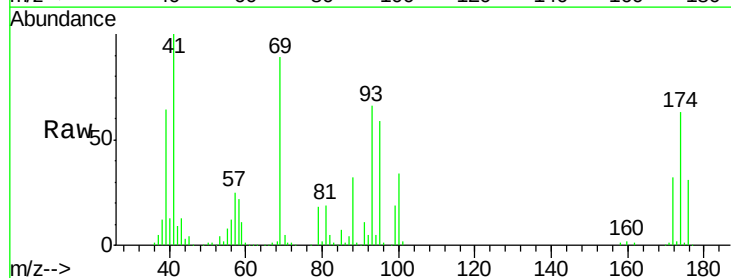
Manual Integrations
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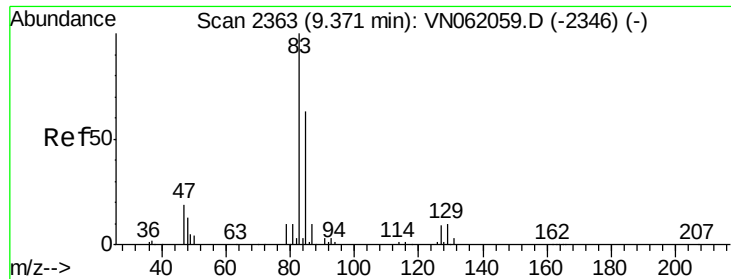
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 6/26/2020 7:01:07 PM



#46
 Dibromomethane
 Concen: 45.686 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion: 93 Resp: 118859
 Ion Ratio Lower Upper
 93 100
 95 85.6 67.0 100.6
 174 91.0 74.4 111.6





#47

Bromodichloromethane

Concen: 50.693 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

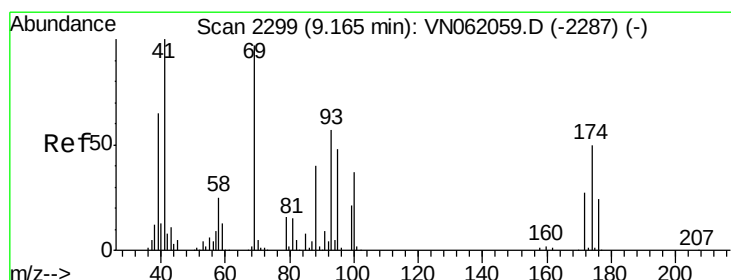
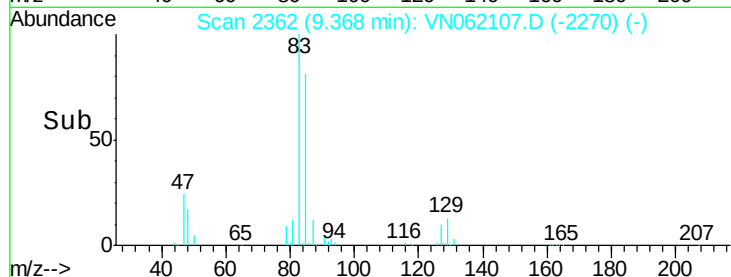
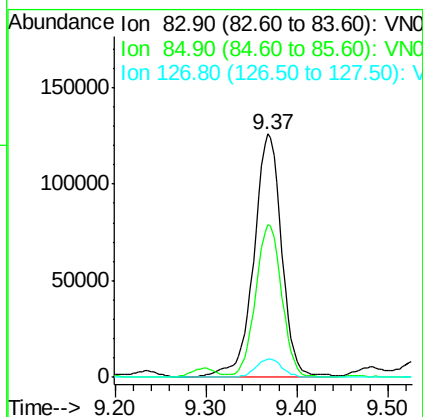
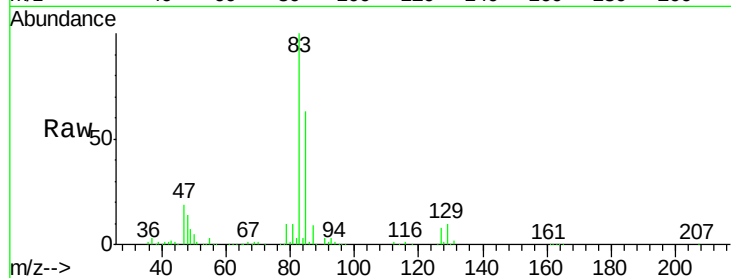
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	83	Resp:	266296
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.3	75.5
127	7.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.066 ug/l

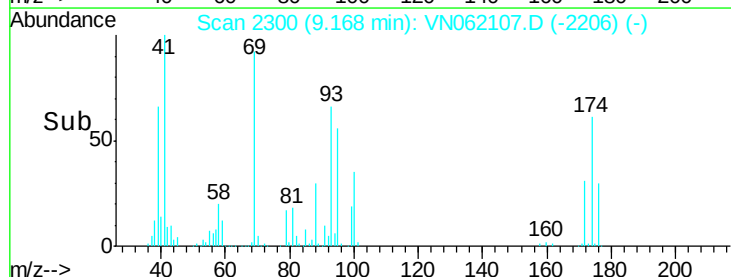
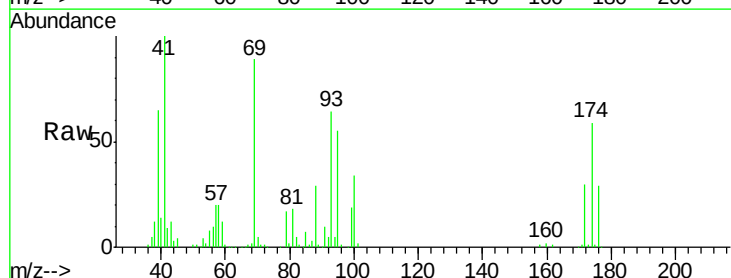
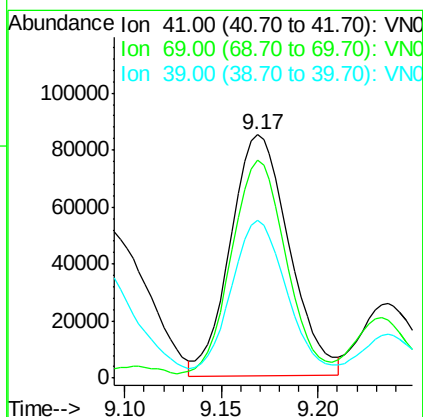
RT: 9.17 min Scan# 2300

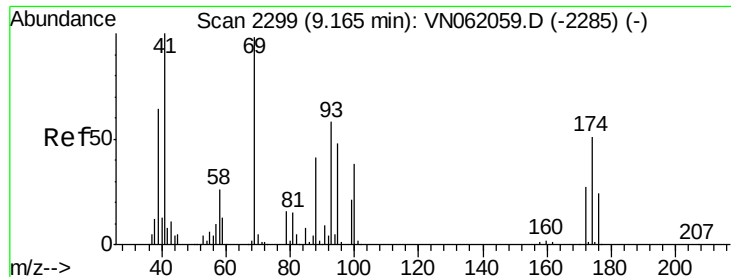
Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	41	Resp:	179342
Ion Ratio	Lower	Upper	
41	100		
69	84.0	80.7	121.1
39	55.6	54.5	81.7





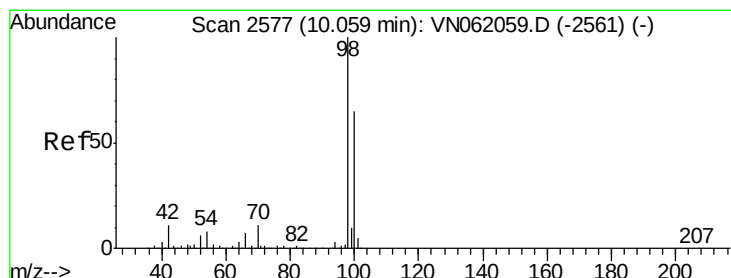
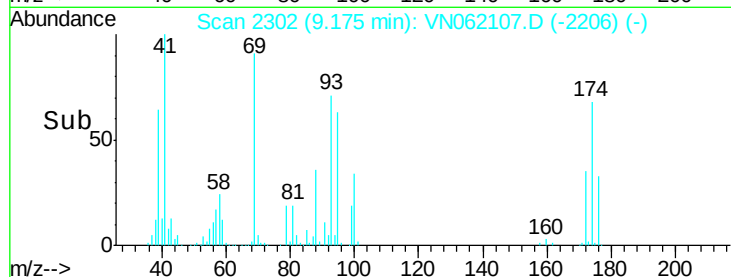
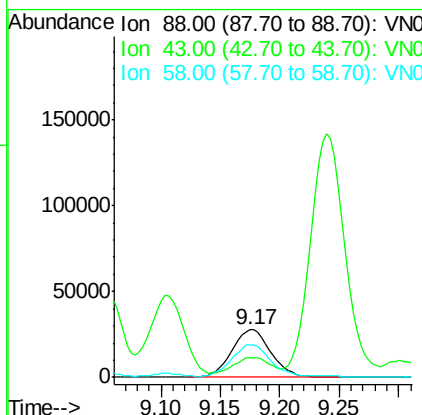
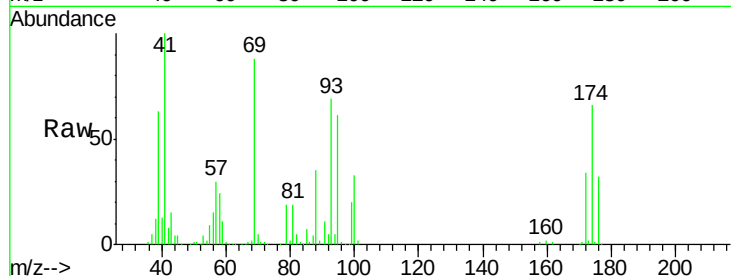
#49
1,4-Dioxane
Concen: 931.400 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	88	Resp	63794
Ion	Ratio	Lower	Upper
88	100		
43	35.4	22.0	33.0#
58	68.3	49.2	73.8

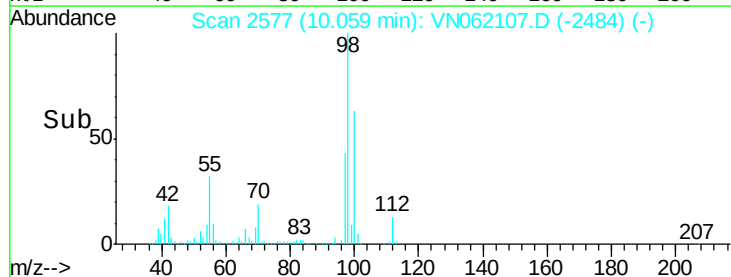
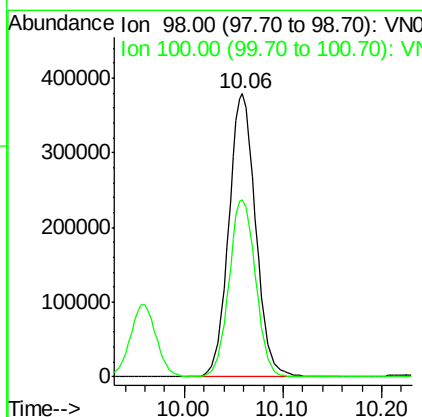
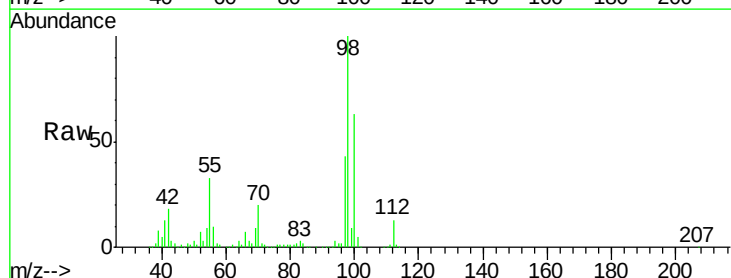
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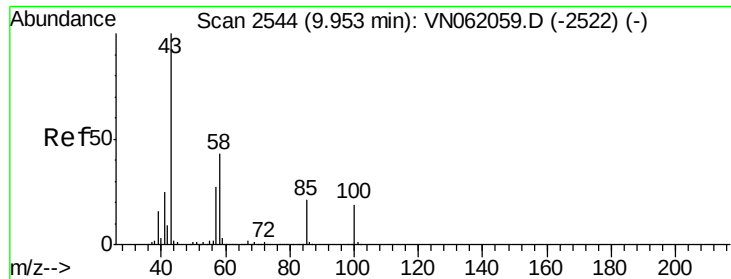
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#50
Toluene-d8
Concen: 55.331 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	98	Resp	720385
Ion	Ratio	Lower	Upper
98	100		
100	61.7	51.2	76.8





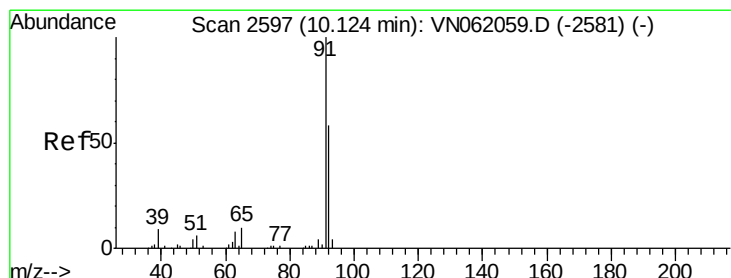
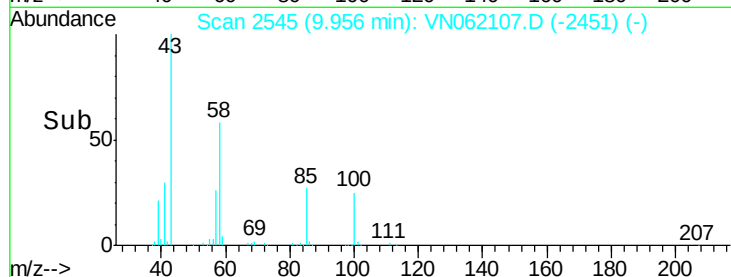
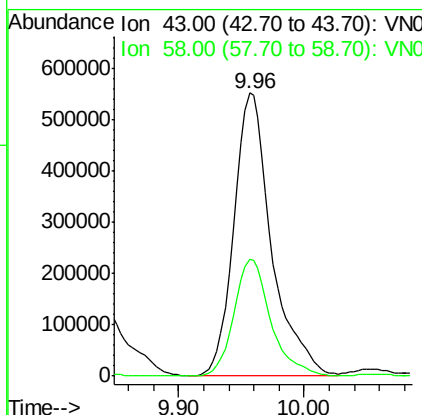
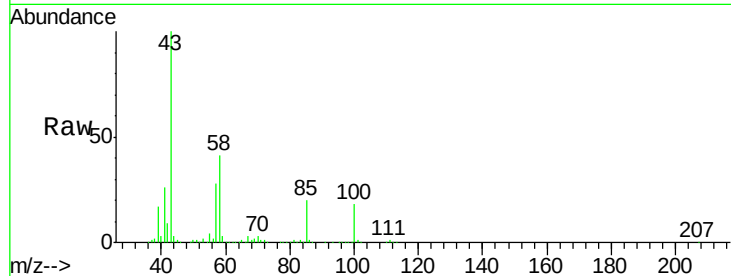
#51
 4-Methyl-2-Pentanone
 Concen: 284.664 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 1145657
 Ion Ratio Lower Upper
 43 100
 58 40.6 34.2 51.2

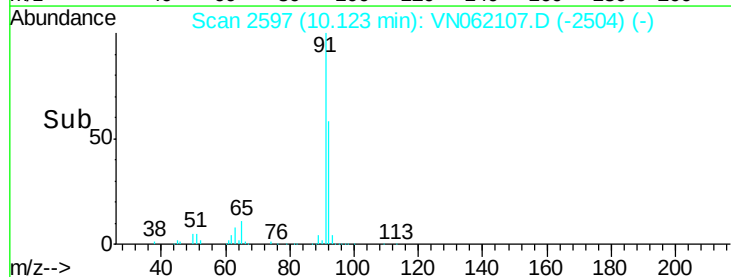
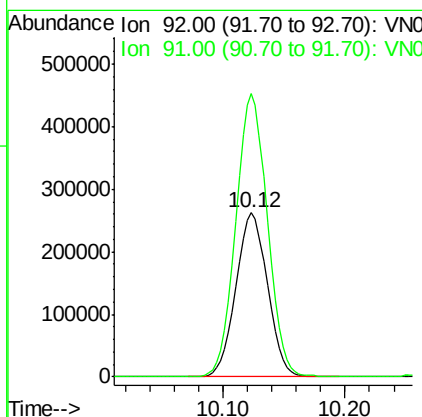
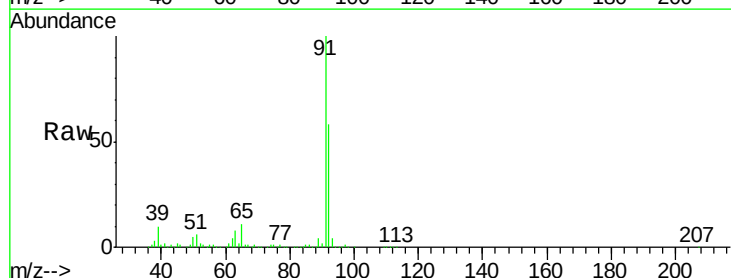
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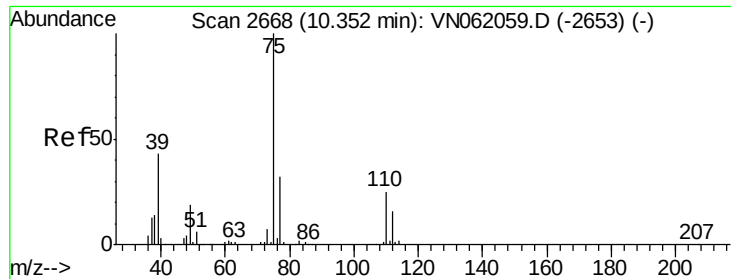
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#52
 Toluene
 Concen: 49.484 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion: 92 Resp: 469612
 Ion Ratio Lower Upper
 92 100
 91 171.0 137.4 206.0





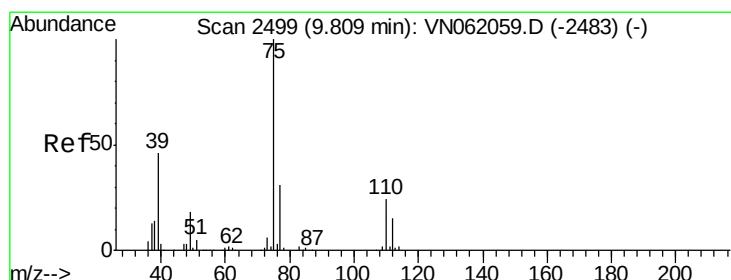
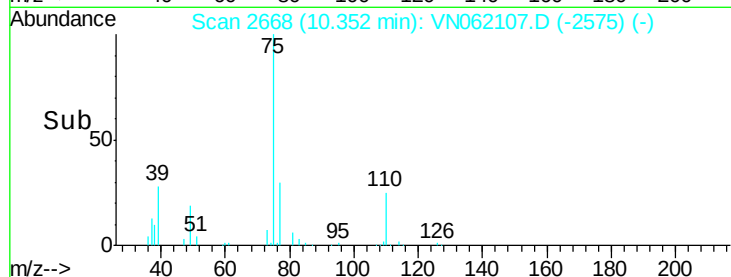
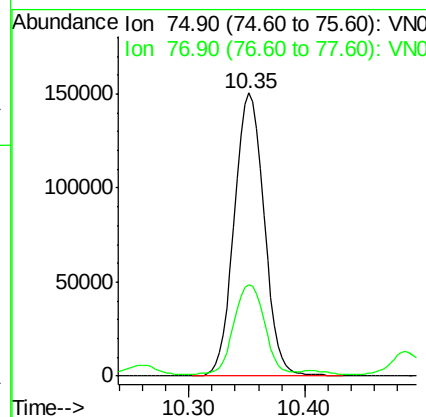
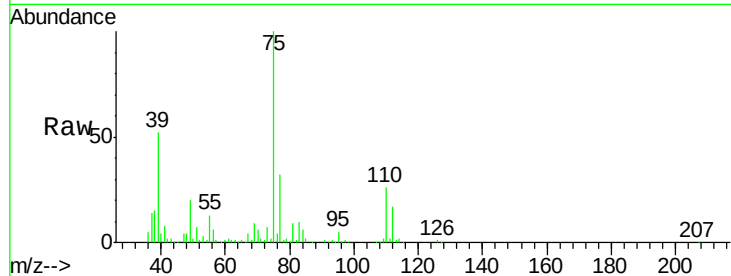
#53
t-1,3-Dichloropropene
Concen: 46.593 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 75 Resp: 269276
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

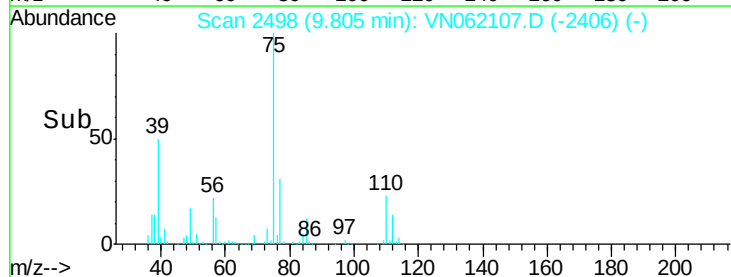
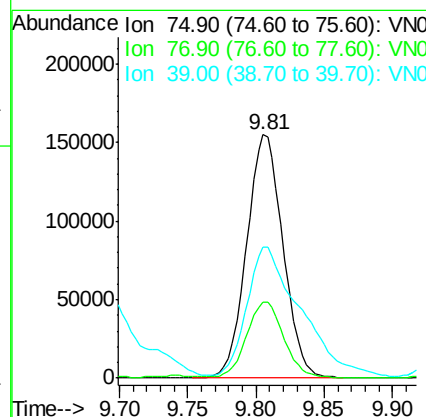
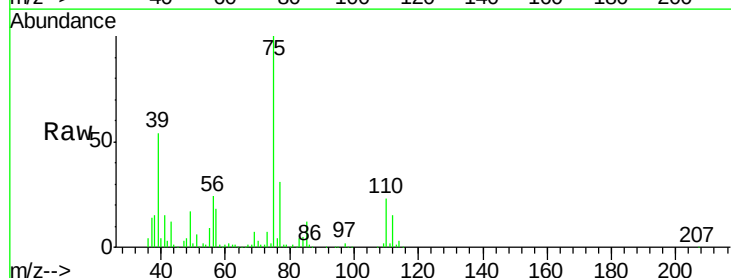
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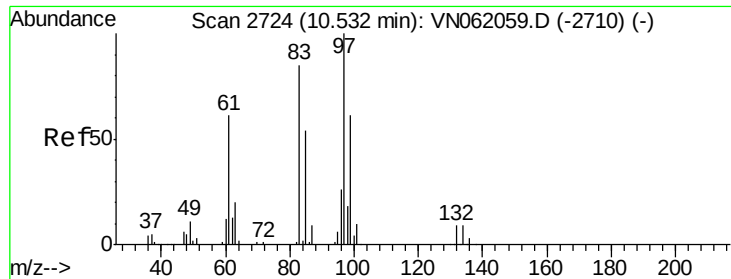
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6/26/2020 7:01:07 PM



#54
cis-1,3-Dichloropropene
Concen: 46.516 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion: 75 Resp: 286209
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 51.3 36.9 55.3





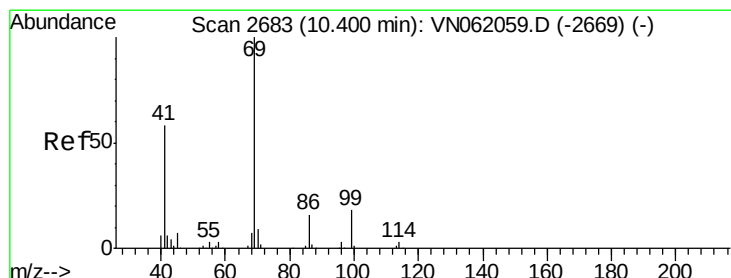
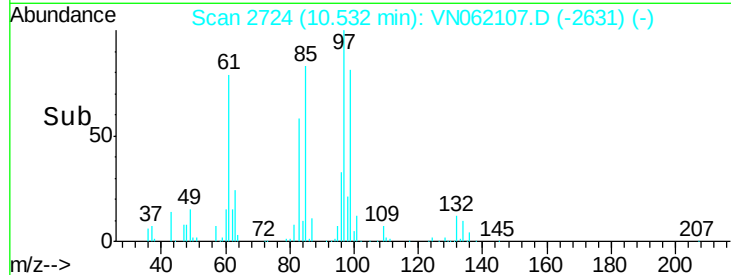
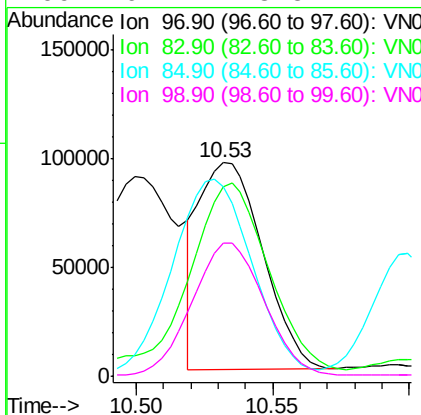
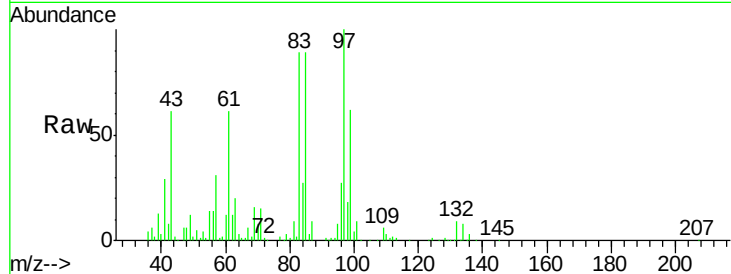
#55
 1,1,2-Trichloroethane
 Concen: 41.097 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		153311		
83	88.4	68.2	102.2		
85	85.9	43.2	64.8		
99	64.2	48.5	72.7		

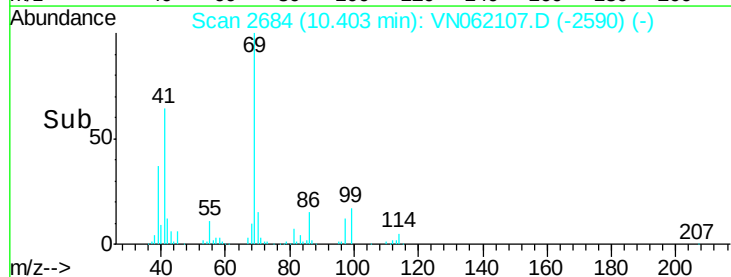
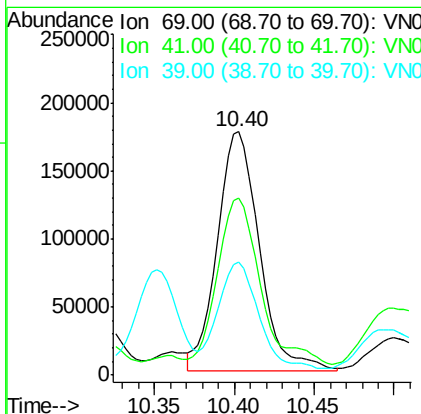
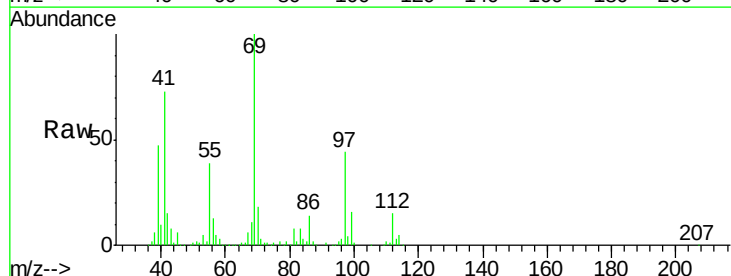
Manual Integrations
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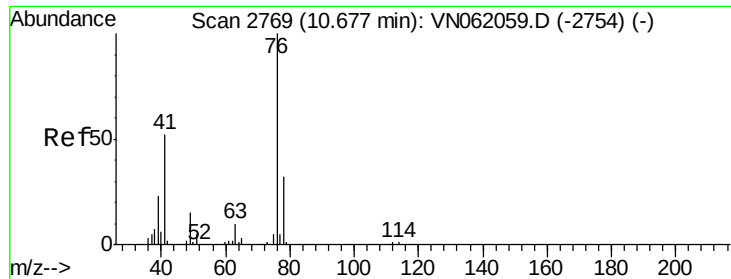
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 6/26/2020 7:01:07 PM



#56
 Ethyl methacrylate
 Concen: 63.508 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		316173		
41	69.9	46.6	70.0		
39	43.6	31.0	46.4		





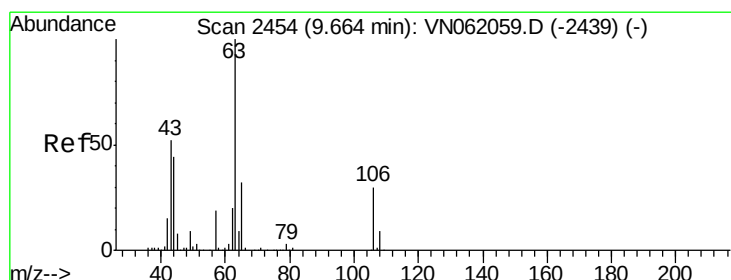
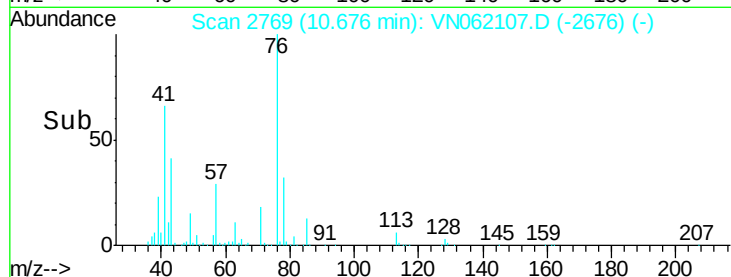
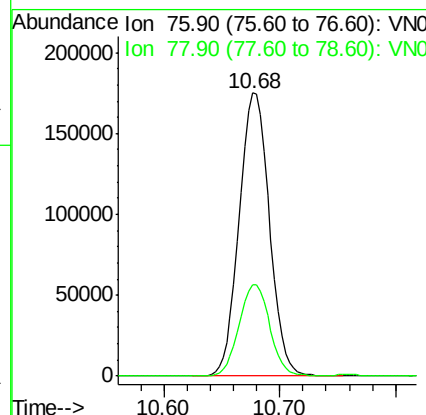
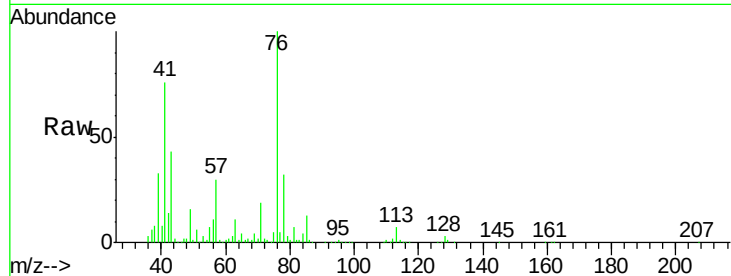
#57
 1,3-Dichloropropane
 Concen: 49.445 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

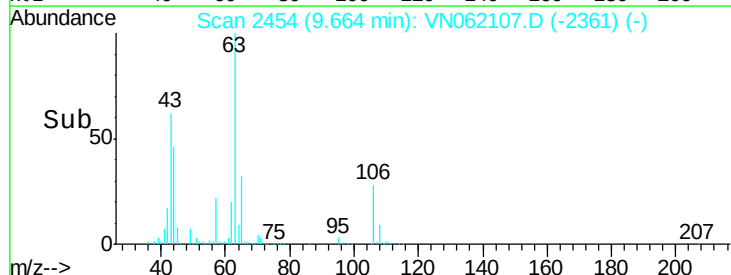
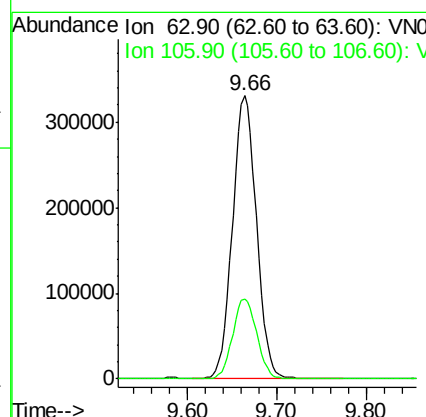
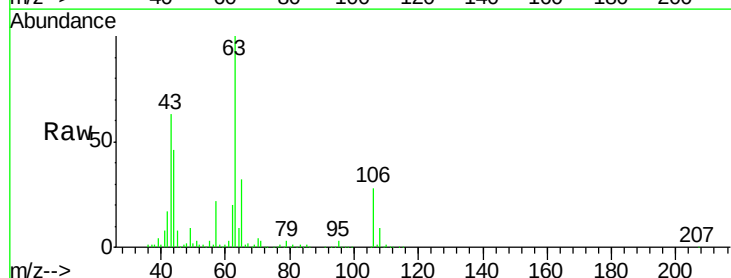
Manual Integrations
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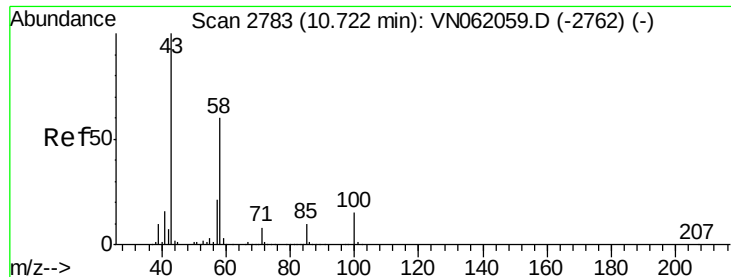
MMDadoda
 6/26/2020 7:01:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.165 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.2	34.8





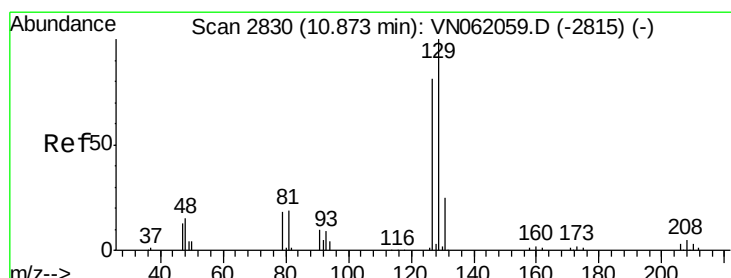
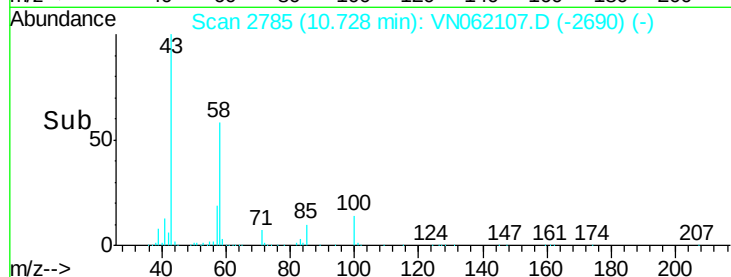
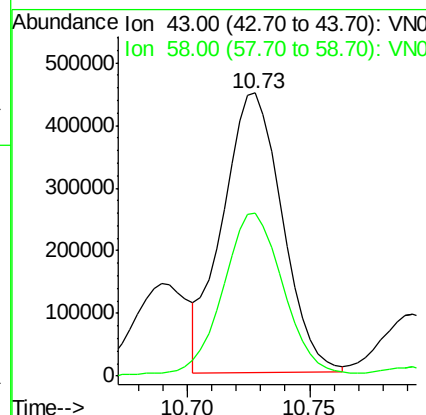
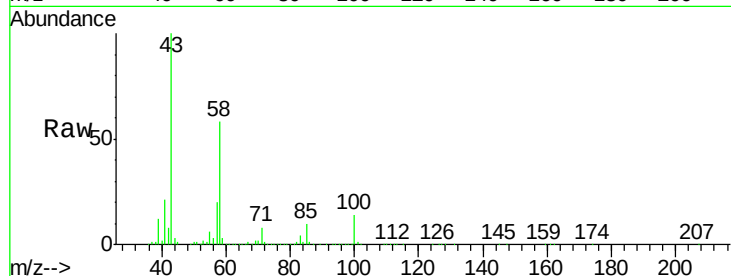
#59
2-Hexanone
Concen: 260.888 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	43	Resp	758180
Ion Ratio	100	Lower	Upper
58	59.9	29.5	88.5

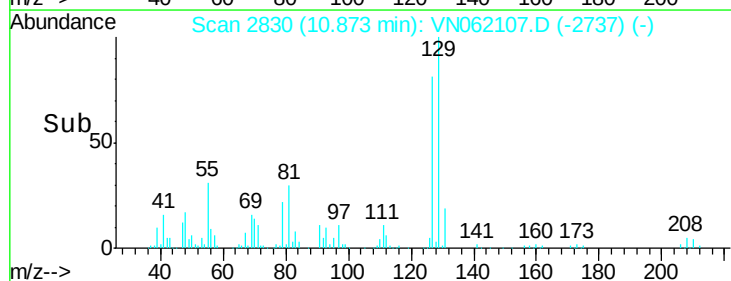
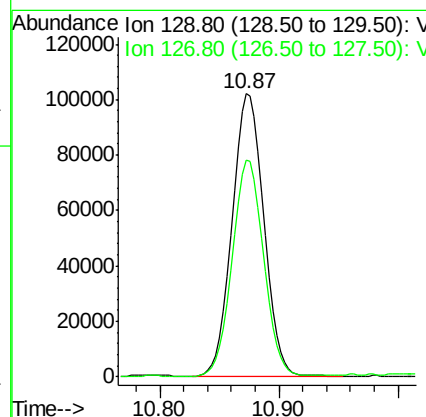
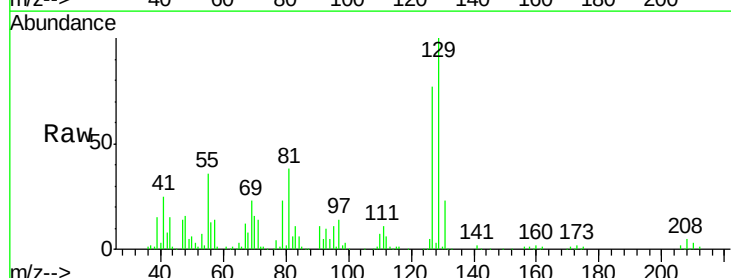
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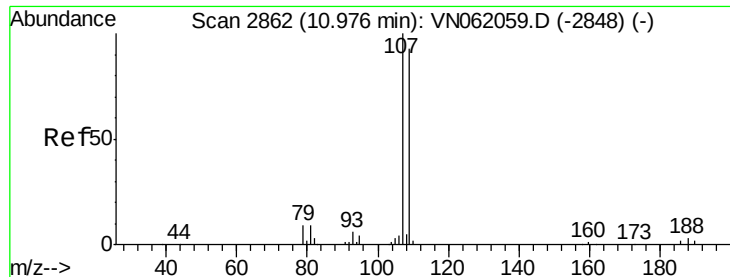
MMDadoda
6/26/2020 7:01:07 PM



#60
Dibromochloromethane
Concen: 47.512 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	129	Resp	187653
Ion Ratio	100	Lower	Upper
127	76.8	39.5	118.5





#61

1,2-Dibromoethane

Concen: 49.518 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:107 Resp: 189809

Ion Ratio Lower Upper

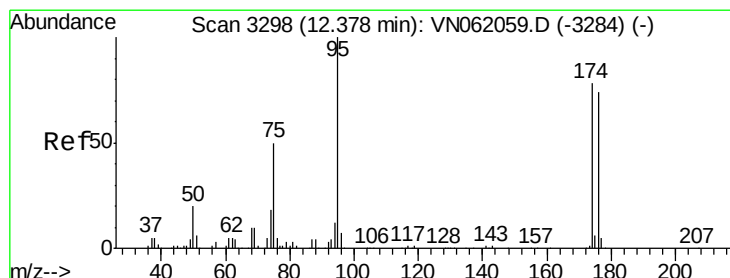
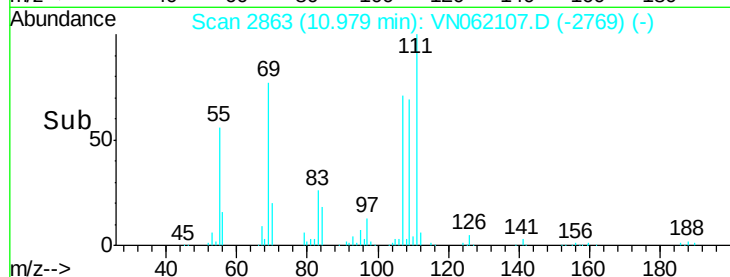
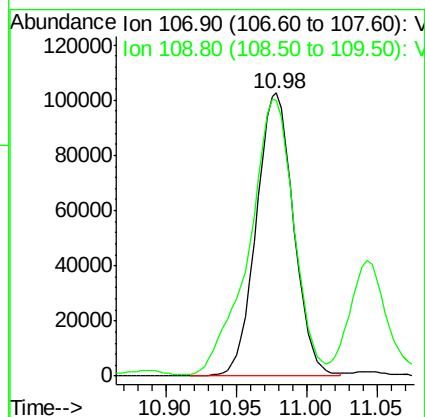
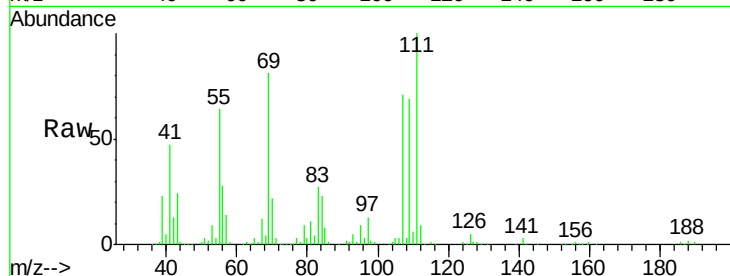
107 100

109 116.5 75.0 112.6#

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6/26/2020 7:01:07 PM



#62

4-Bromofluorobenzene

Concen: 67.186 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

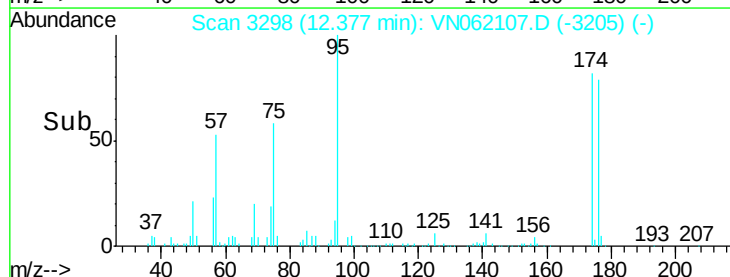
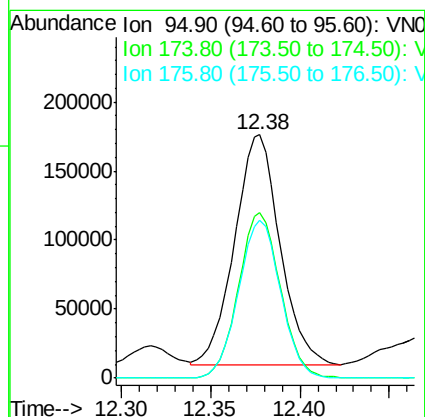
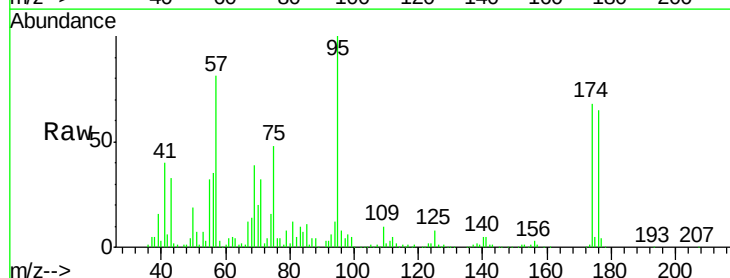
Tgt Ion: 95 Resp: 295536

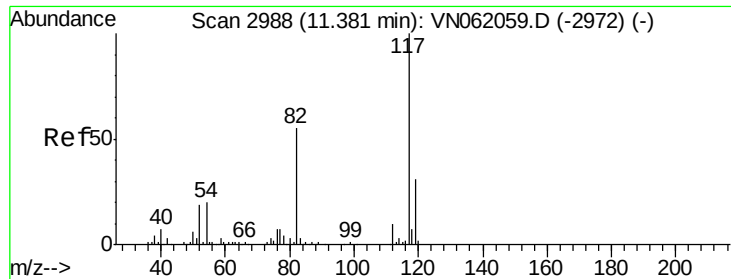
Ion Ratio Lower Upper

95 100

174 66.8 0.0 154.8

176 63.9 0.0 147.4





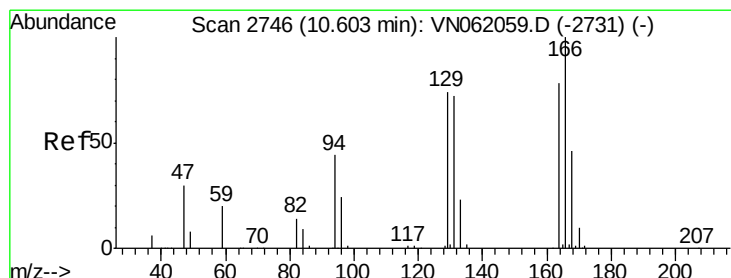
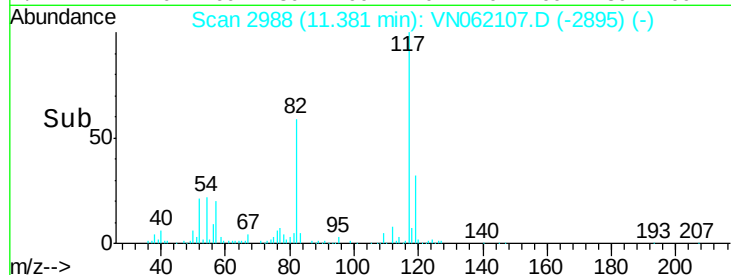
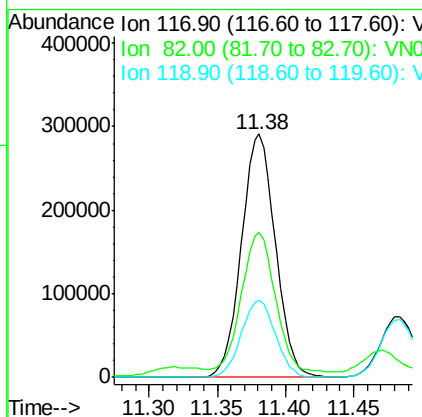
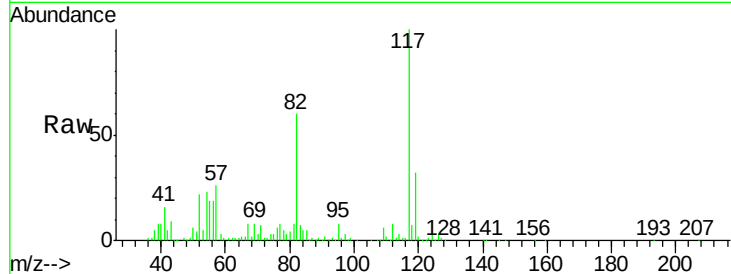
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.8	65.8
119	31.5	25.2	37.8

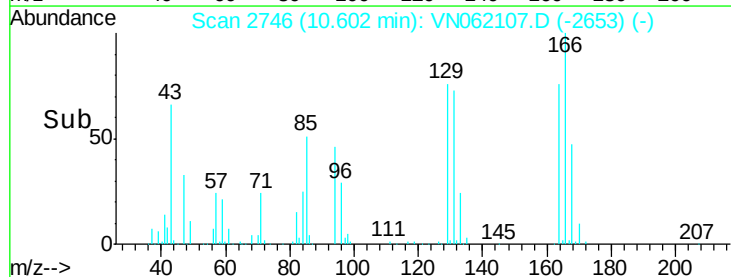
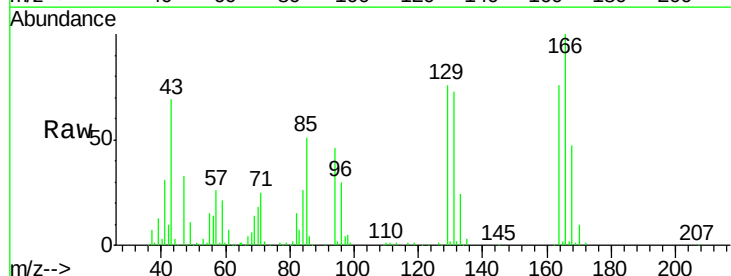
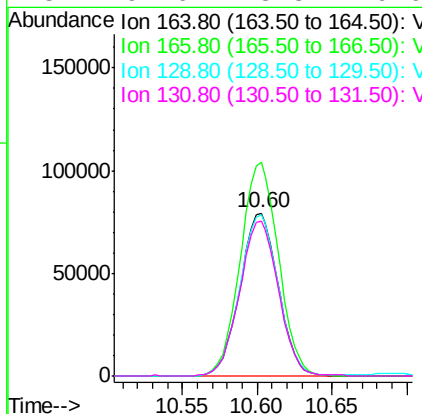
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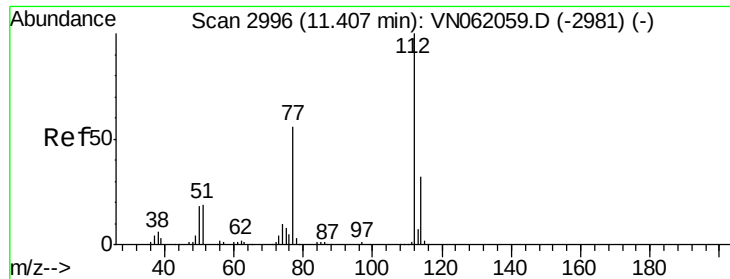
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#64
Tetrachloroethene
Concen: 41.010 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.9	154.3
129	98.9	75.8	113.8
131	94.6	73.8	110.6





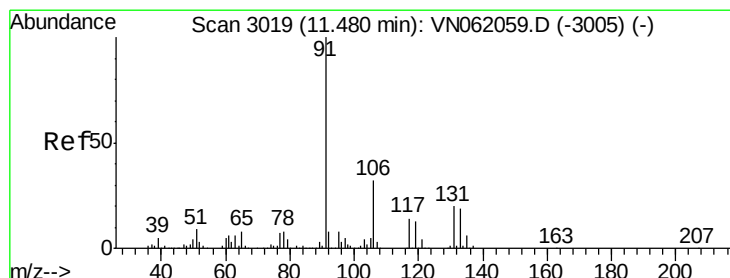
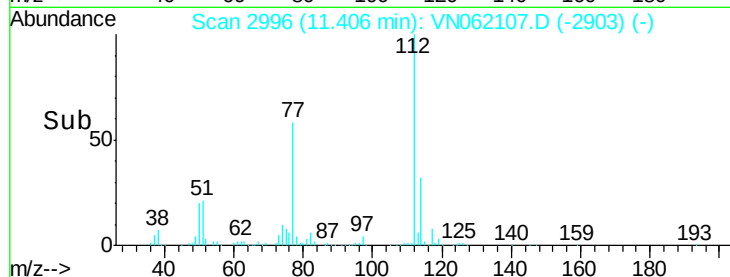
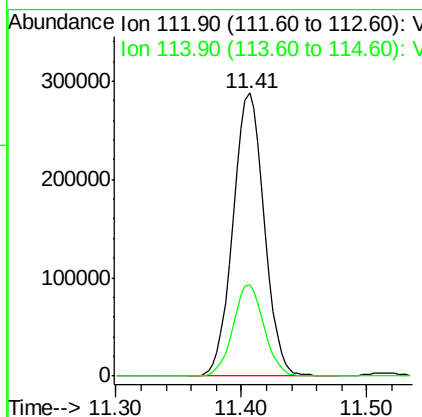
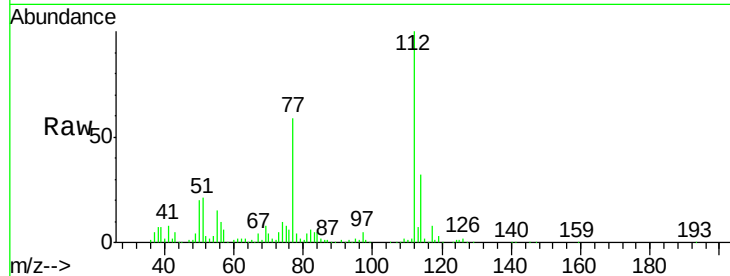
#65
Chlorobenzene
Concen: 45.063 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.8

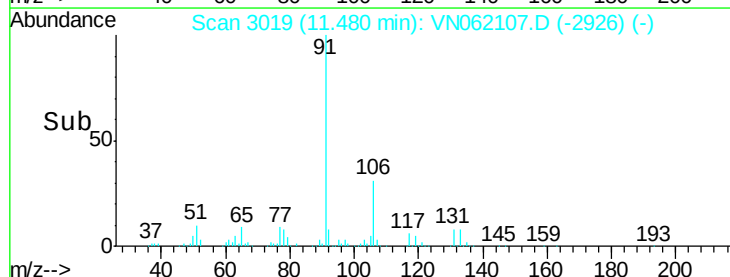
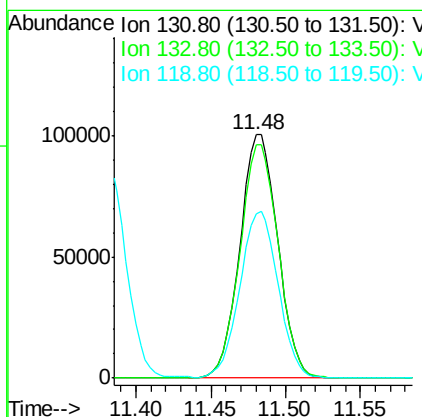
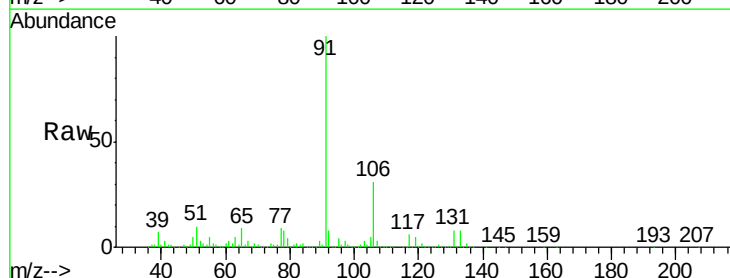
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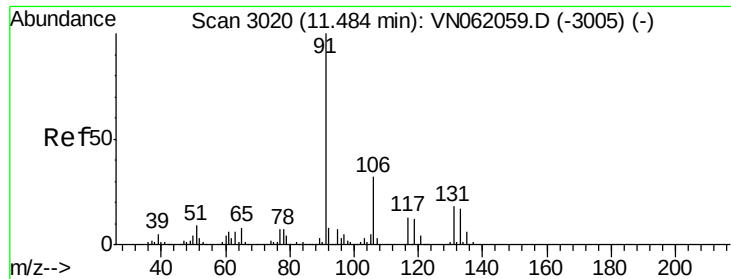
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.349 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.6	142.9
119	69.6	34.4	103.3





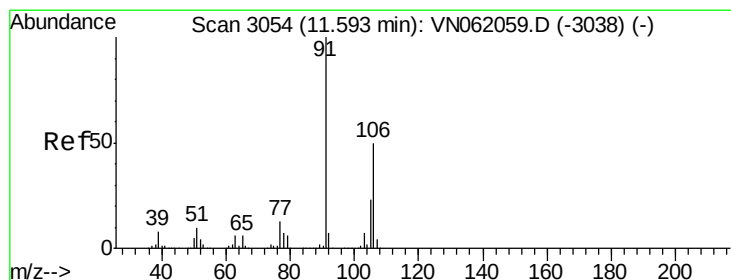
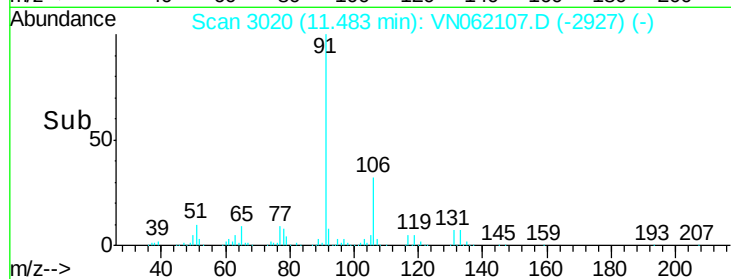
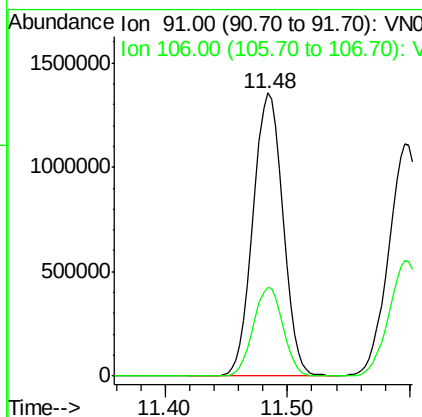
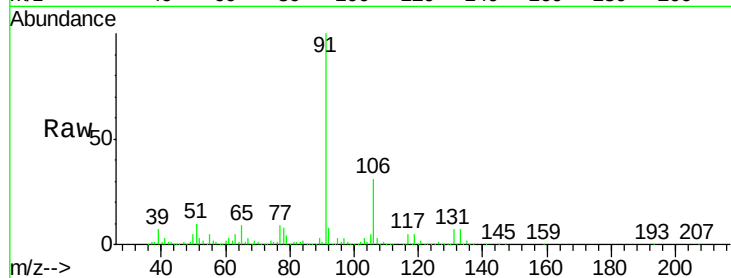
#67
Ethyl Benzene
Concen: 122.870 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 2293003
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

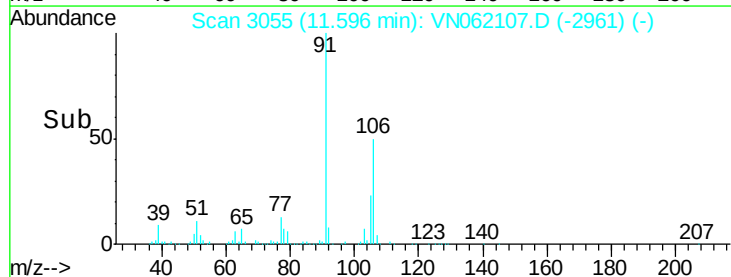
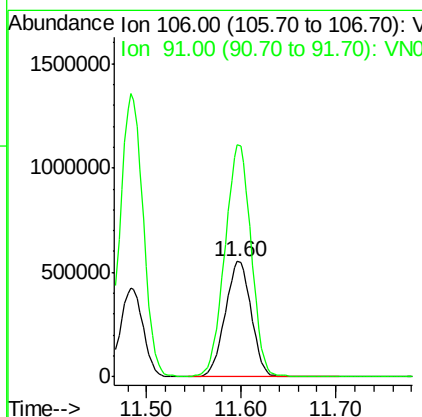
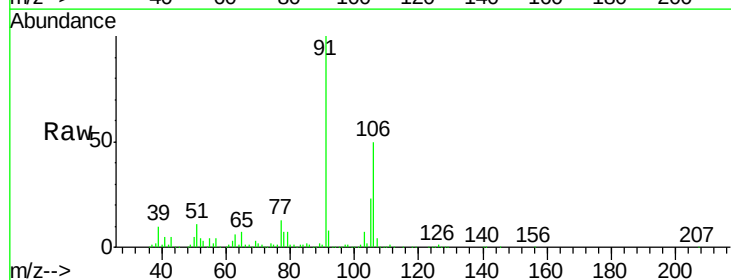
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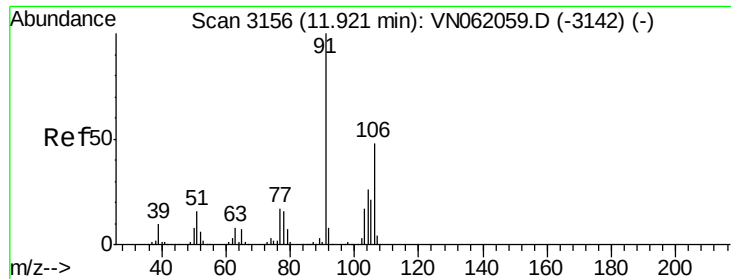
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#68
m/p-Xylenes
Concen: 146.143 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion: 106 Resp: 1054882
Ion Ratio Lower Upper
106 100
91 201.4 157.8 236.8





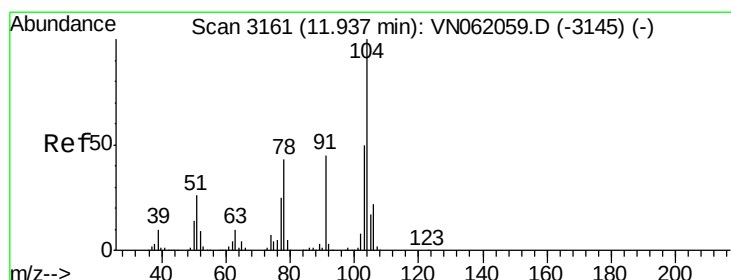
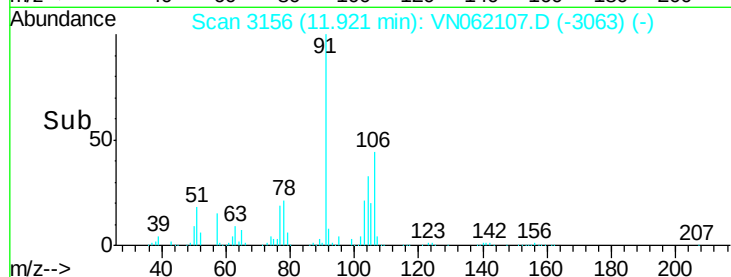
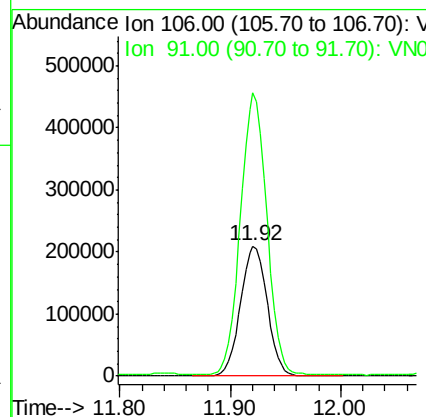
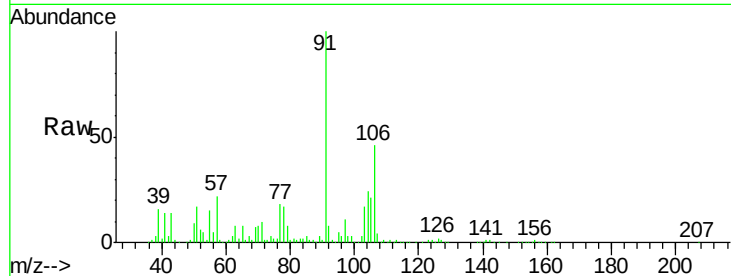
#69
o-Xylene
Concen: 51.795 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.2	104.0	311.9	

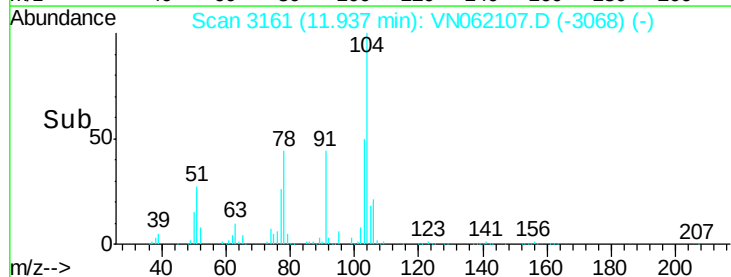
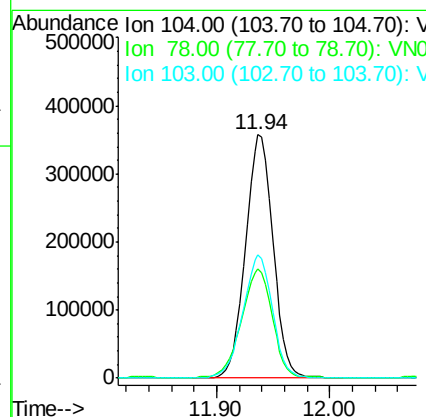
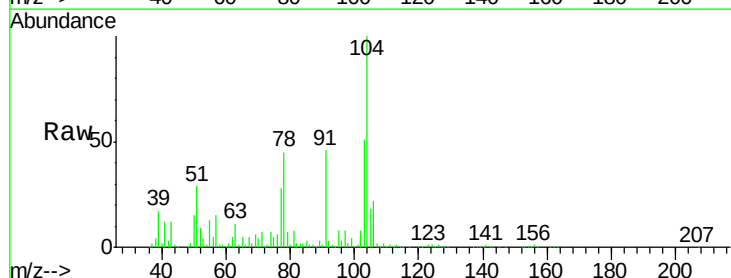
Manual Integrations
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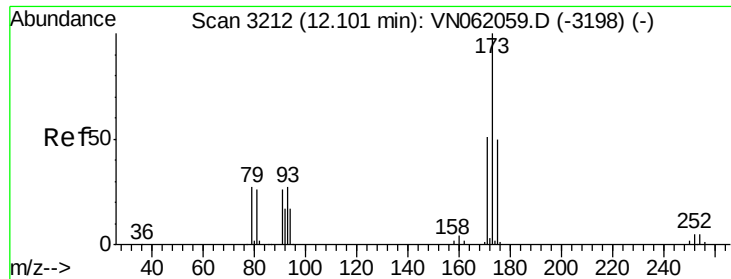
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#70
Styrene
Concen: 53.620 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.5	37.7	56.5	
103	54.0	43.0	64.6	





#71

Bromoform

Concen: 48.083 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

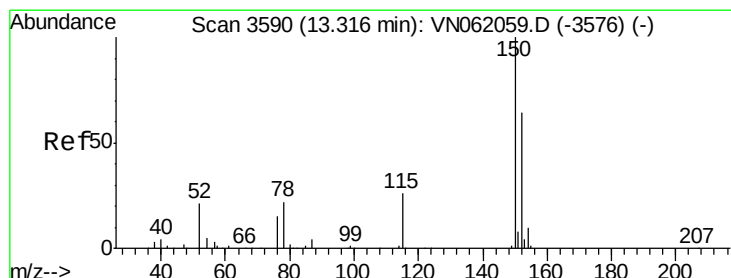
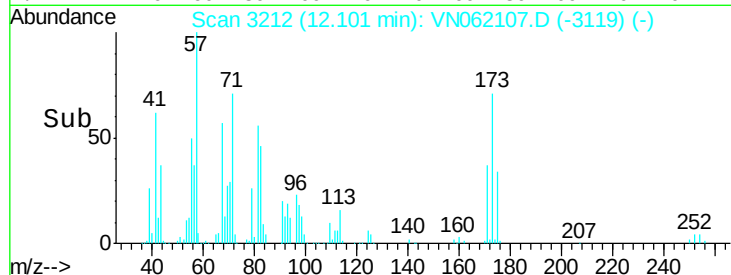
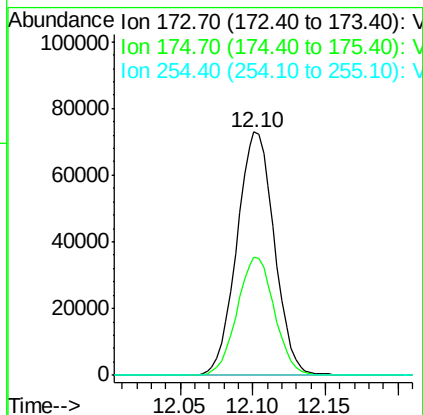
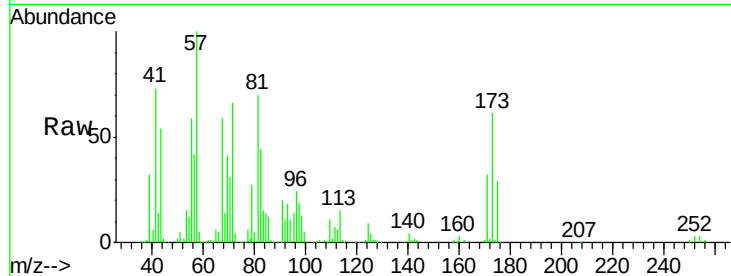
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:173	Resp:	130626
Ion Ratio	Lower	Upper
173 100		
175 48.2	24.7	74.1
254 0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

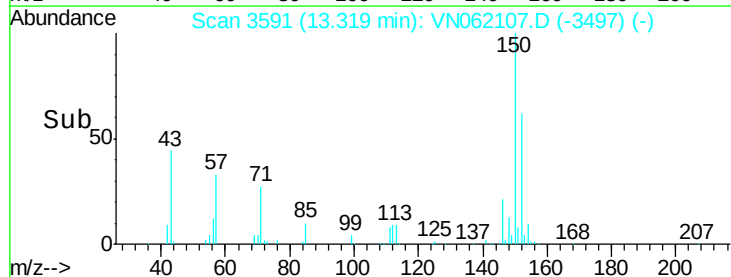
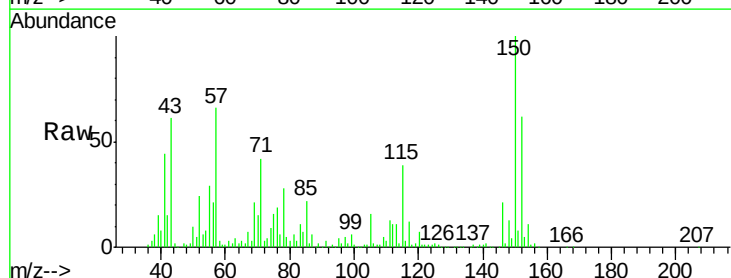
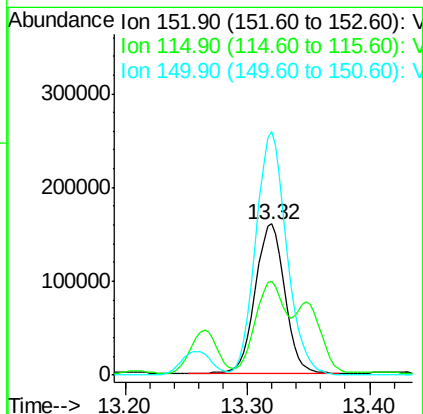
RT: 13.32 min Scan# 3591

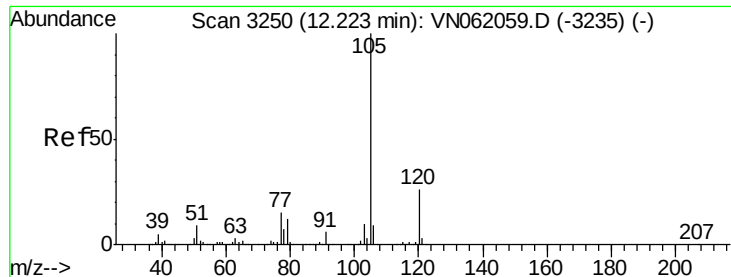
Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:152	Resp:	269326
Ion Ratio	Lower	Upper
152 100		
115 57.1	29.5	88.5
150 167.5	0.0	351.4





#73

Isopropylbenzene

Concen: 64.764 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 1350200

Ion Ratio Lower Upper

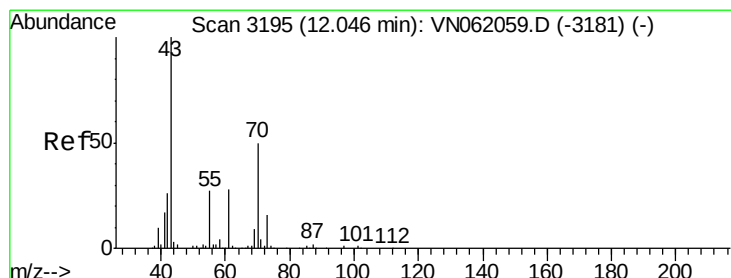
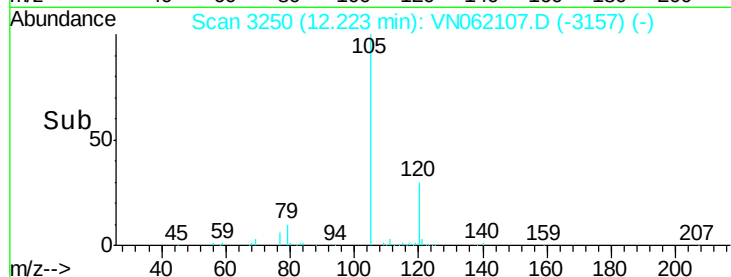
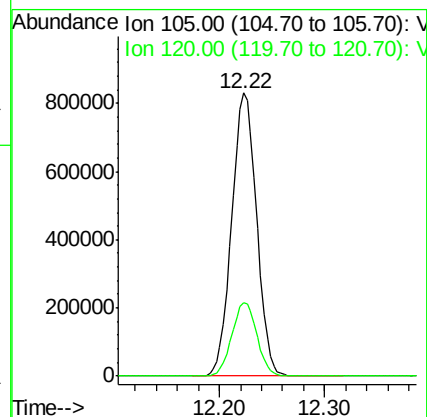
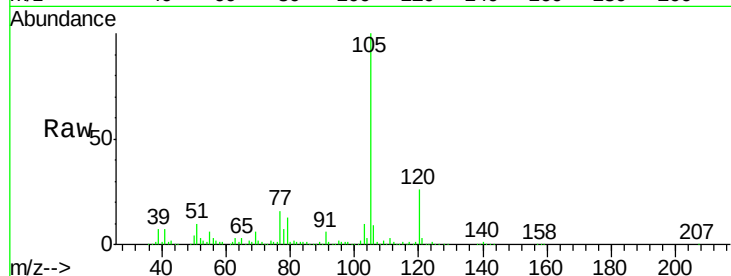
105 100

120 26.2 13.2 39.6

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6/26/2020 7:01:07 PM



#74

N-ethyl acetate

Concen: 34.415 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion: 43 Resp: 255548

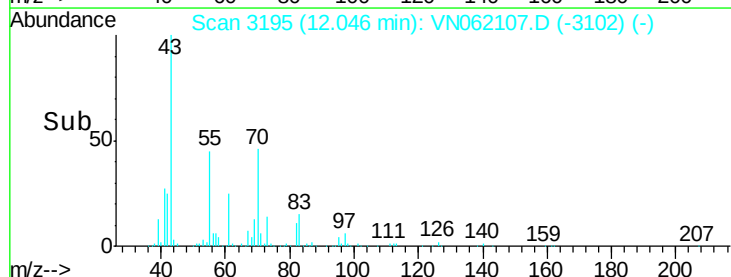
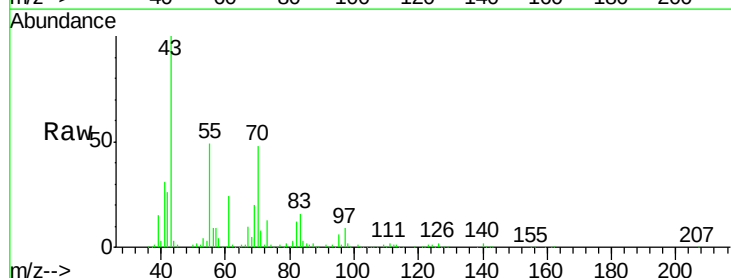
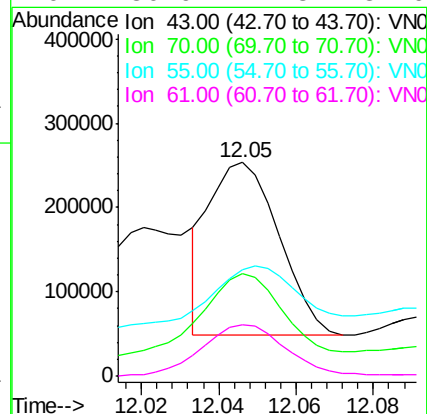
Ion Ratio Lower Upper

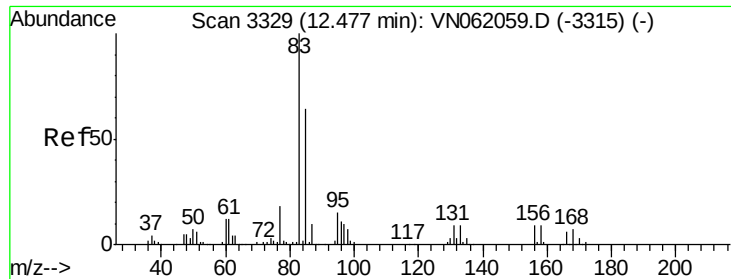
43 100

70 64.5 39.4 59.2#

55 71.1 21.7 32.5#

61 36.9 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 41.024 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

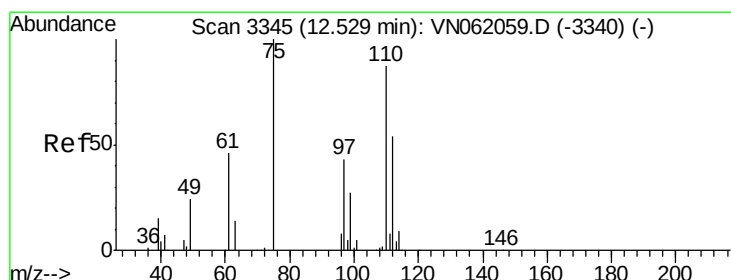
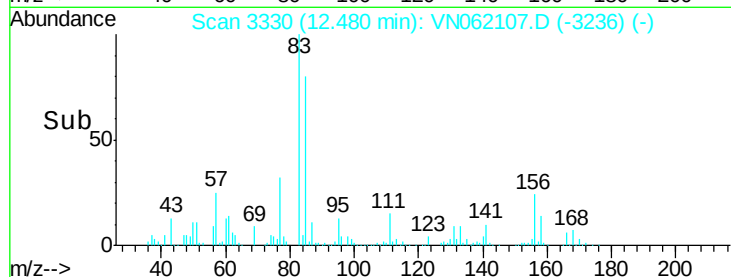
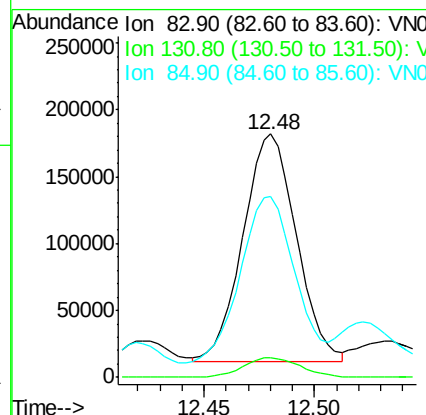
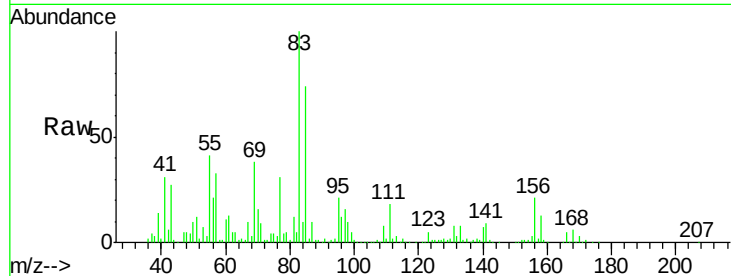
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	83	Resp:	284609
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.4
85	78.4	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 40.716 ug/l m

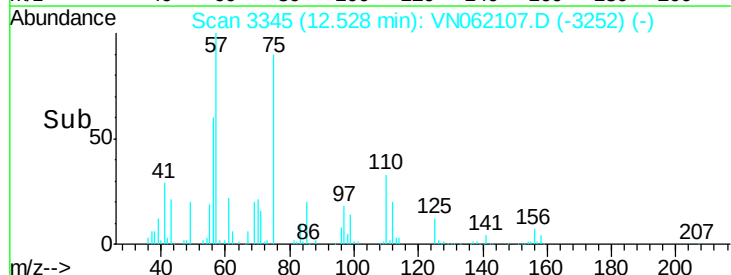
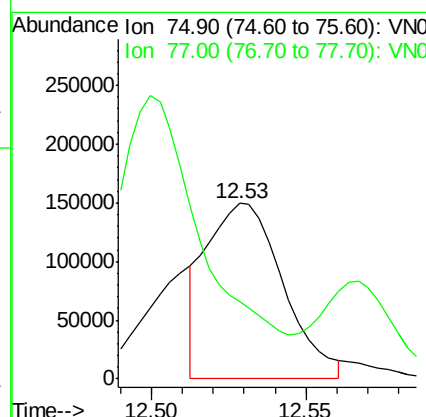
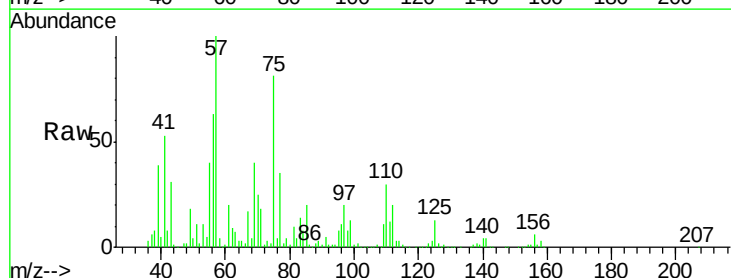
RT: 12.53 min Scan# 3345

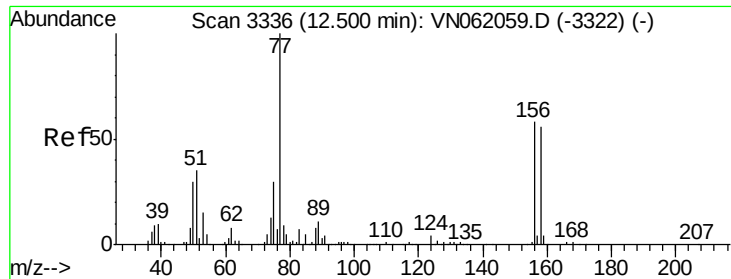
Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion:	75	Resp:	258144
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.091 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

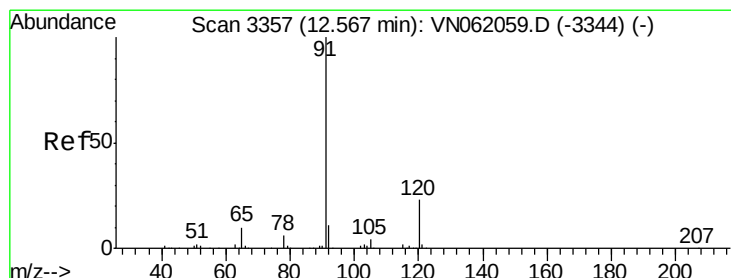
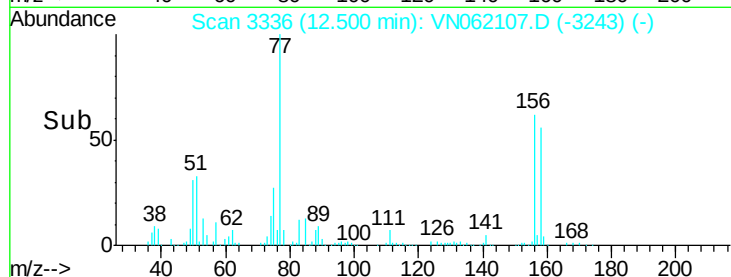
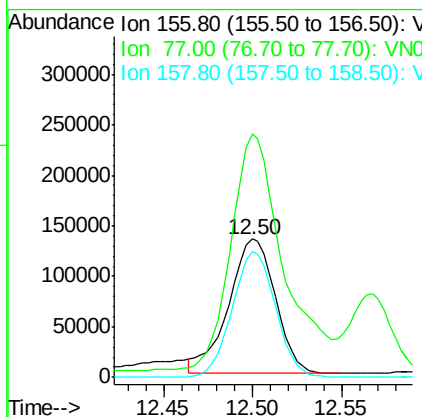
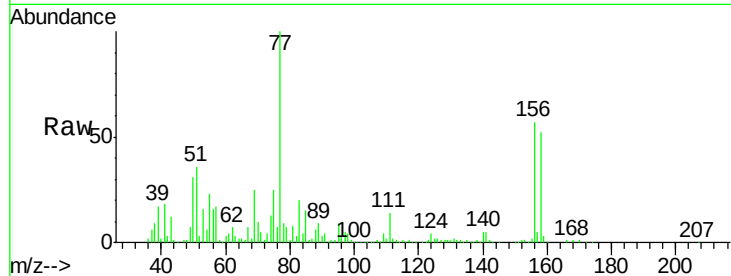
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	196.7	104.6	313.8	
158	86.6	48.0	144.0	

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#78

n-propylbenzene

Concen: 128.957 ug/l

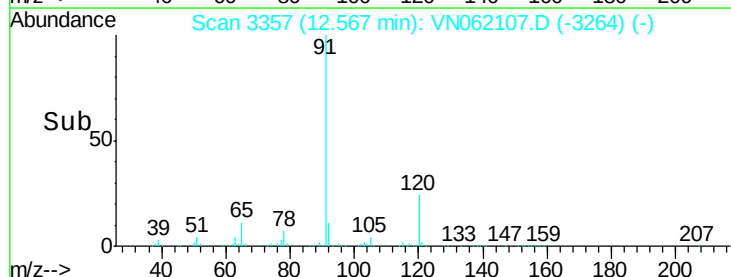
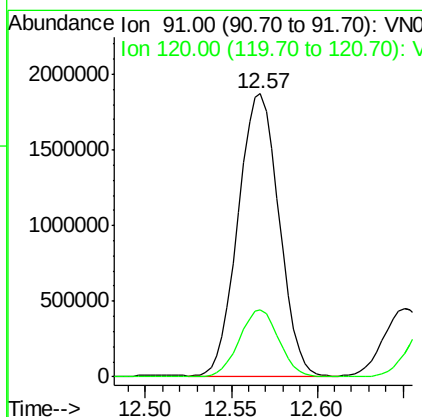
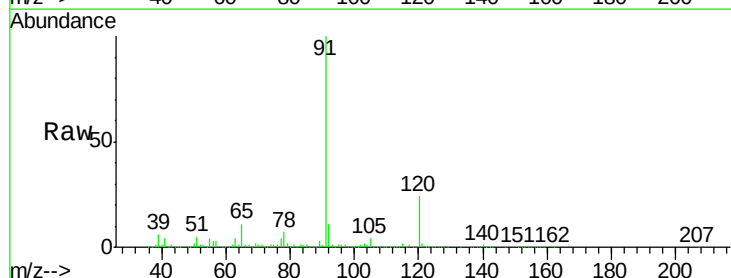
RT: 12.57 min Scan# 3357

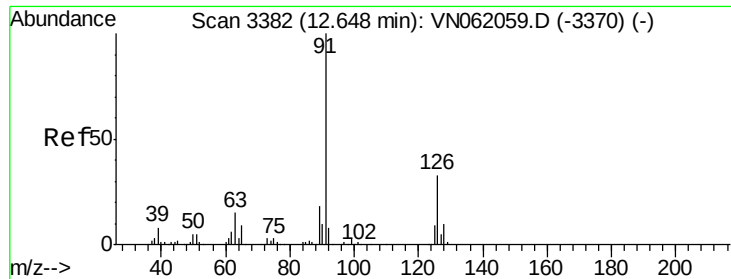
Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.1	11.4	34.1	





#79

2-Chlorotoluene

Concen: 57.509 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 829091

Ion Ratio Lower Upper

91 100

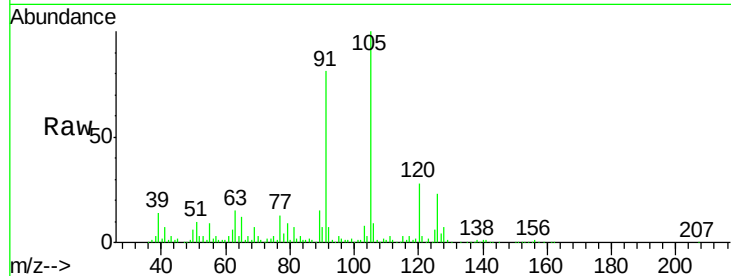
126 25.3 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062107.D (-3383) (-)

Ion 125.90 (125.60 to 126.60): VN062107.D (-3383) (-)

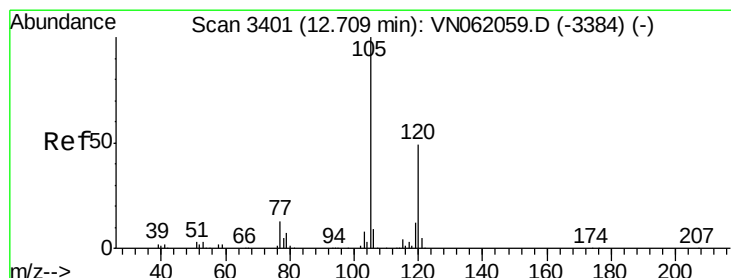
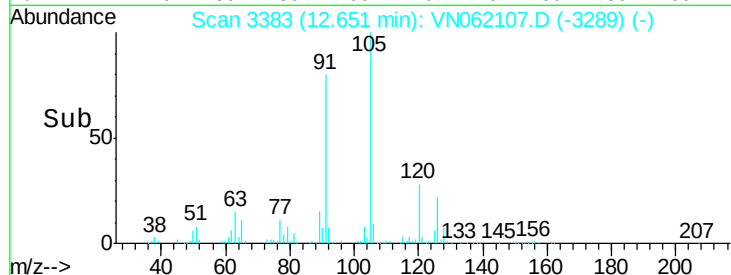
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 175.261 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062107.D

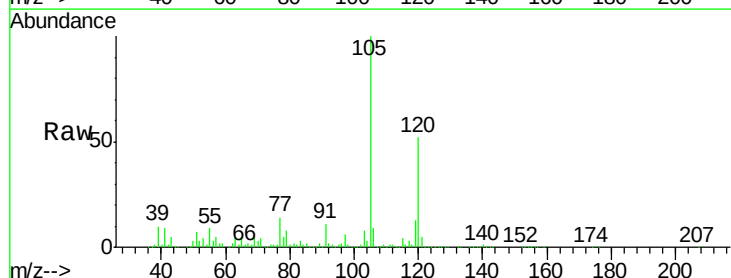
Acq: 25 Jun 2020 13:40

Tgt Ion:105 Resp: 2962005

Ion Ratio Lower Upper

105 100

120 50.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062107.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062107.D (-3401) (-)

2000000

1500000

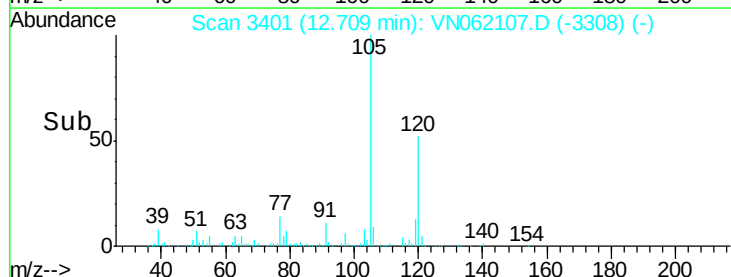
1000000

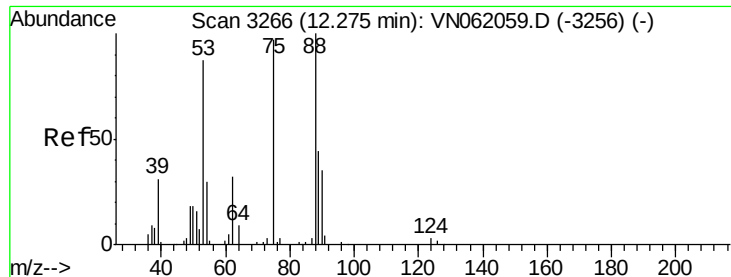
500000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 37.858 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 75 Resp: 82190

Ion Ratio Lower Upper

75 100

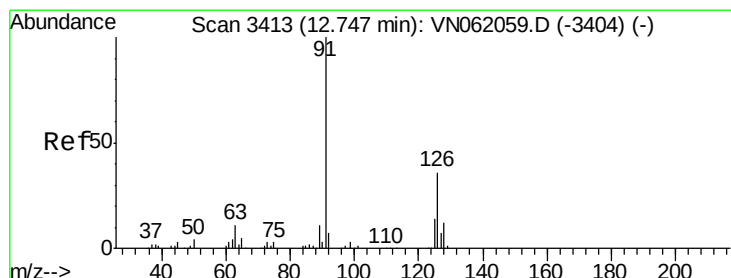
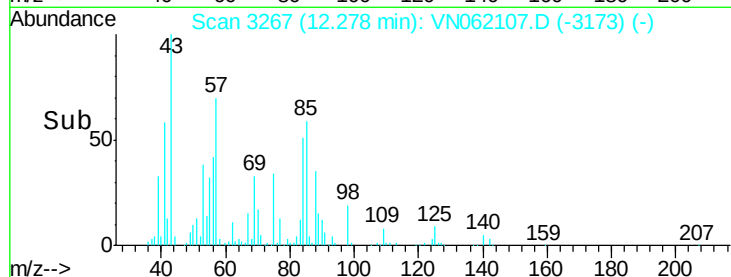
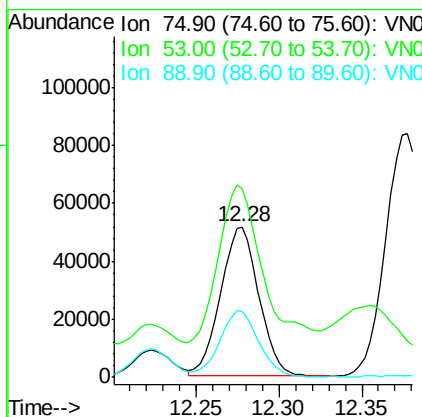
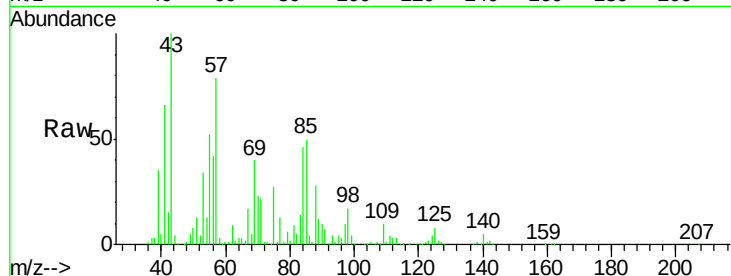
53 122.2 72.0 108.0#

89 45.2 36.9 55.3

Manual Integrations
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6/26/2020 7:01:07 PM



#82

4-Chlorotoluene

Concen: 45.828 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062107.D

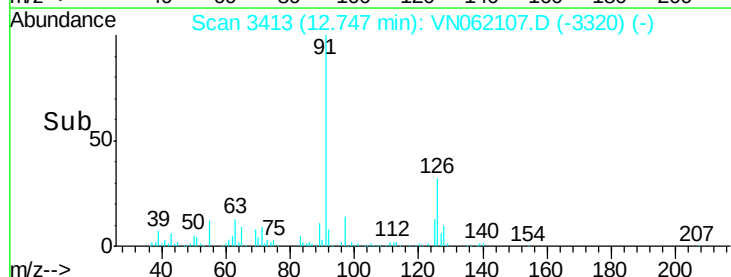
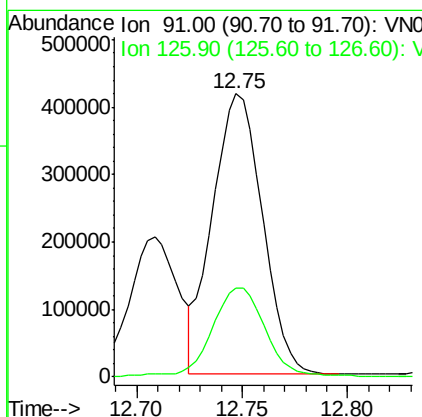
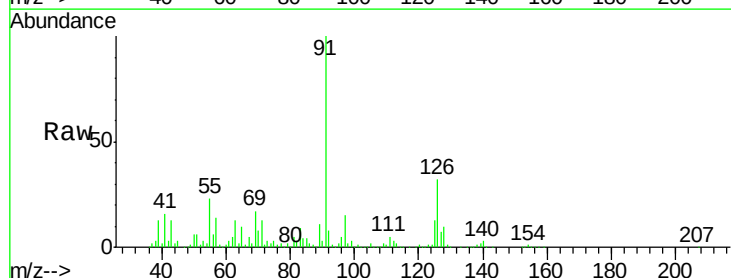
Acq: 25 Jun 2020 13:40

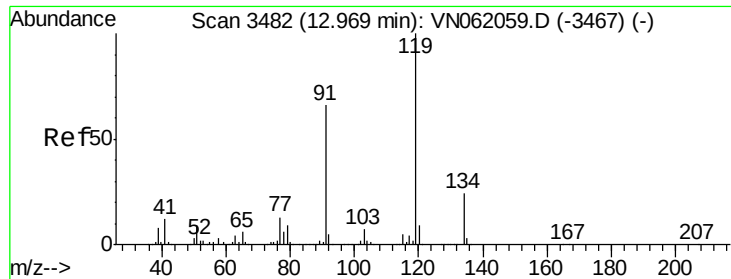
Tgt Ion: 91 Resp: 683222

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.1





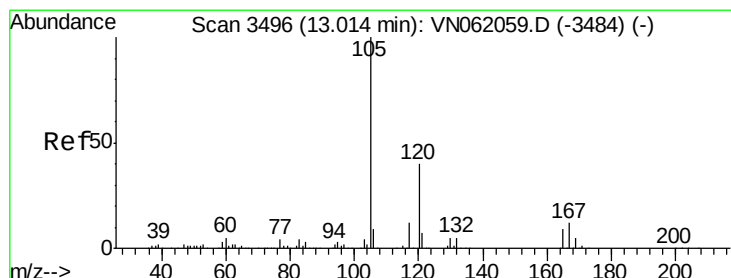
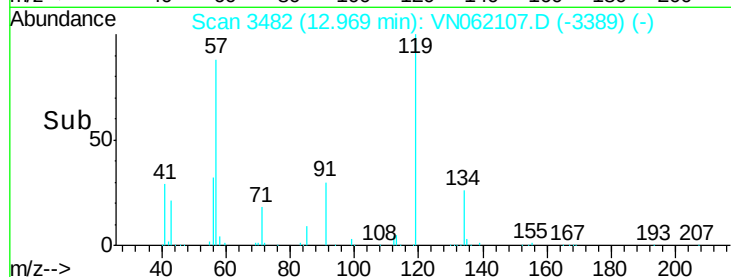
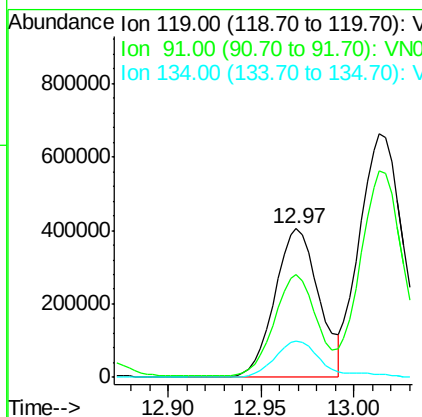
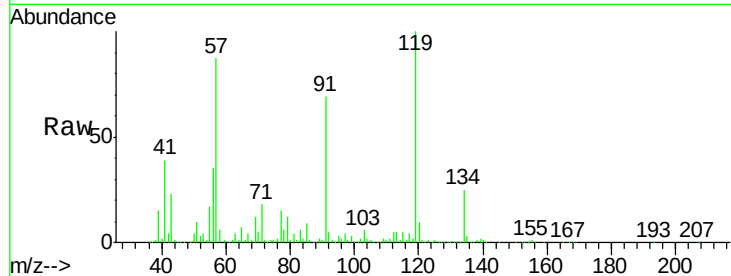
#83
tert-Butylbenzene
Concen: 46.422 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	31.7	95.1
134	26.3	13.1	39.1

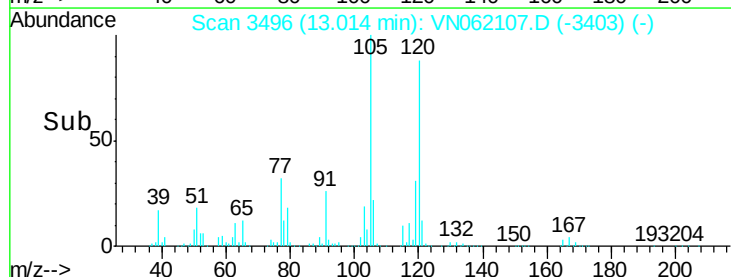
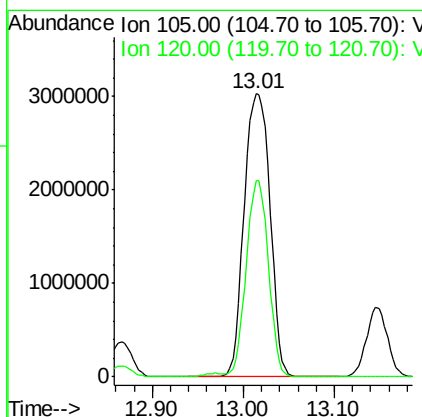
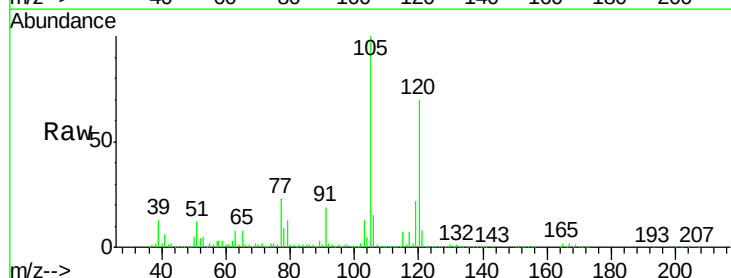
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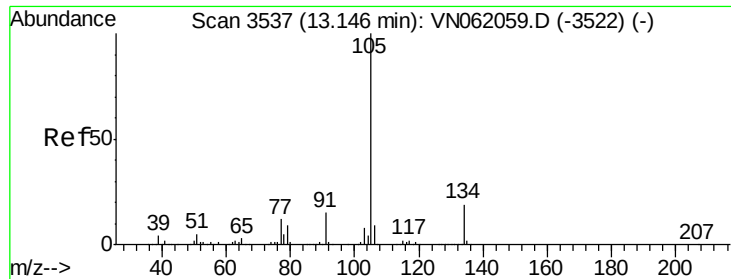
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6/26/2020 7:01:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 354.417 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062107.D
Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	59.8	23.2	69.5





#85

sec-Butylbenzene

Concen: 62.416 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 1192881

Ion Ratio Lower Upper

105 100

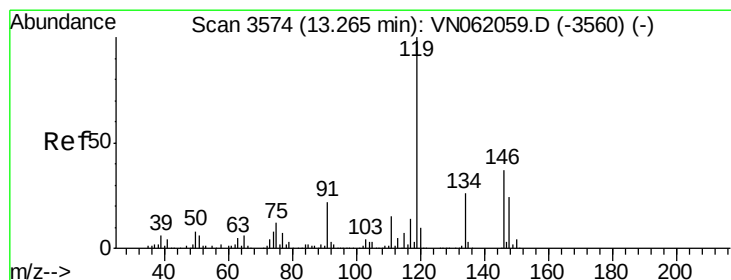
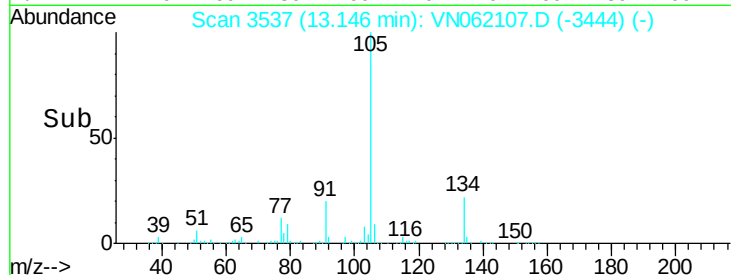
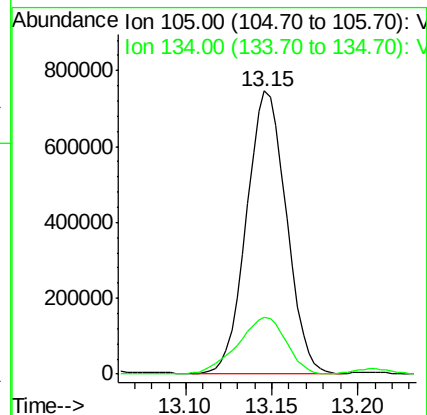
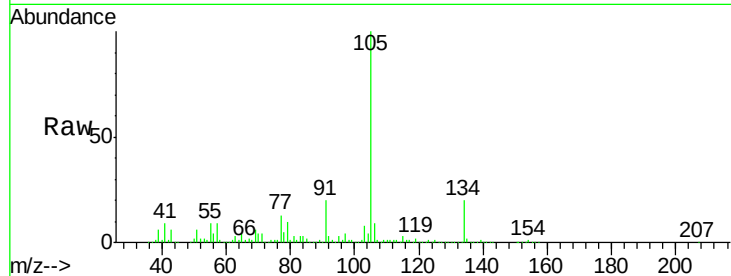
134 24.7 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 58.193 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

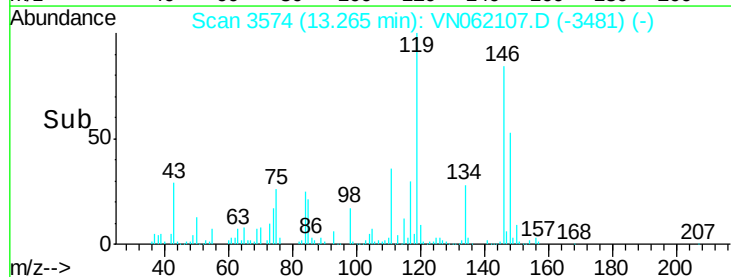
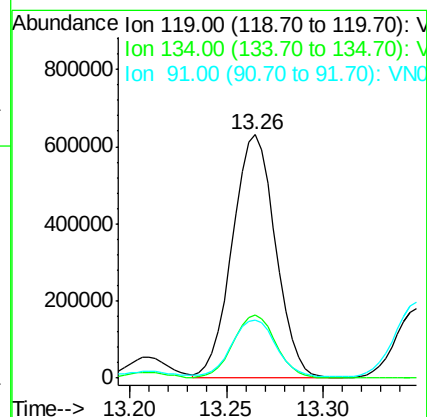
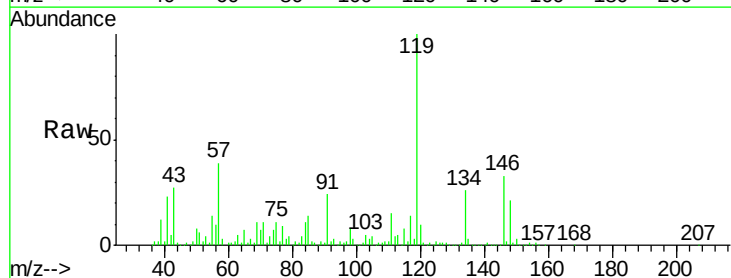
Tgt Ion:119 Resp: 974400

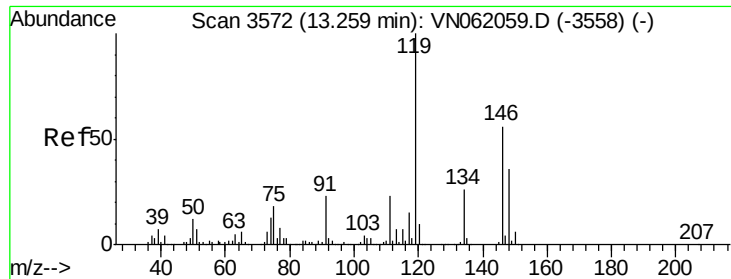
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 23.8 11.3 33.8





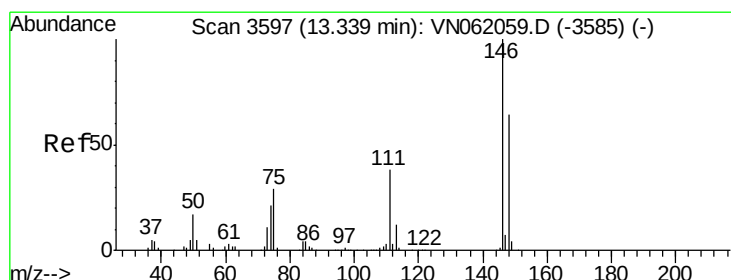
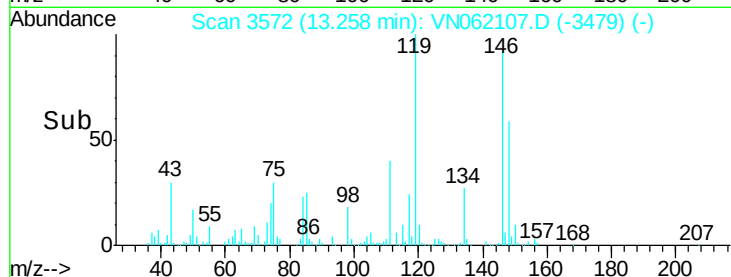
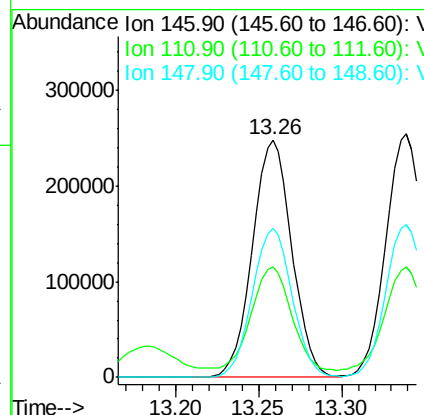
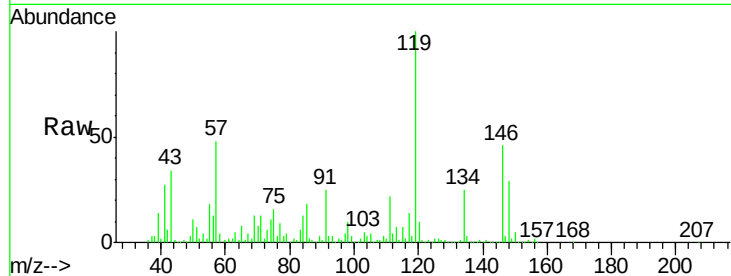
#87
 1,3-Dichlorobenzene
 Concen: 45.079 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.3	61.0
148	63.5	31.8	95.3

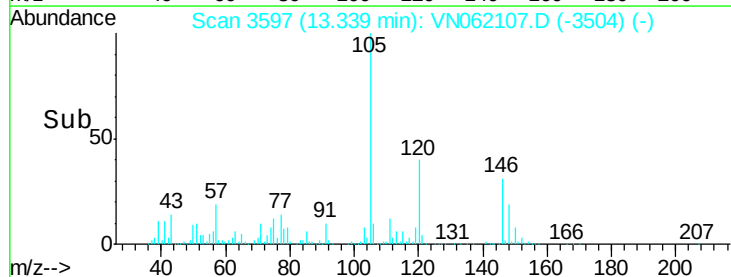
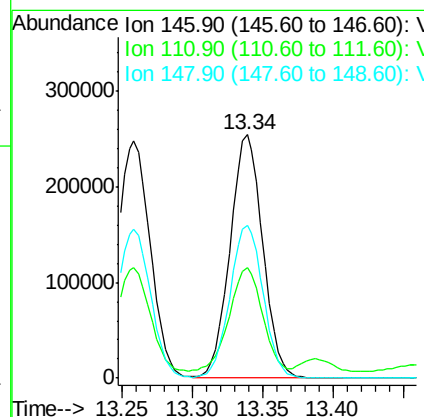
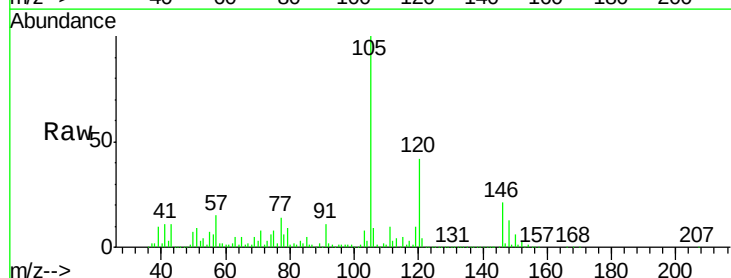
Manual Integrations
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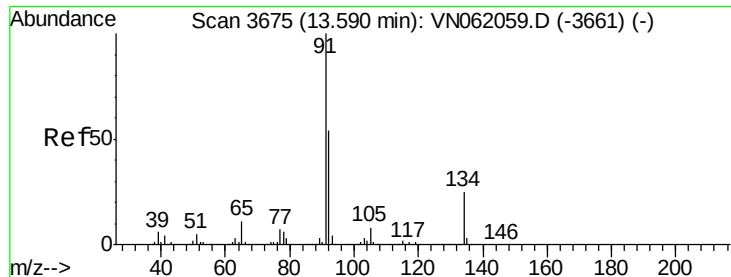
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#88
 1,4-Dichlorobenzene
 Concen: 43.898 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.9	59.6
148	63.9	31.9	95.9





#89

n-Butylbenzene

Concen: 121.379 ug/l m

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 1689688

Ion Ratio Lower Upper

91 100

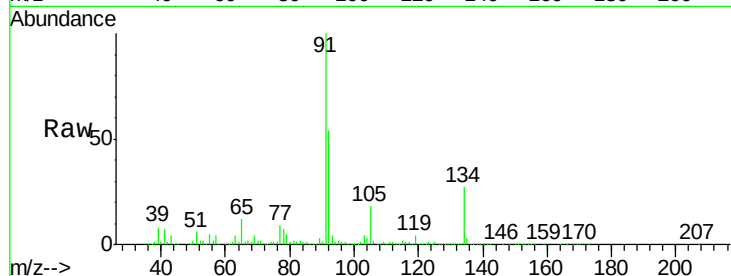
92 54.2 26.6 79.7

134 0.0 12.3 36.9#

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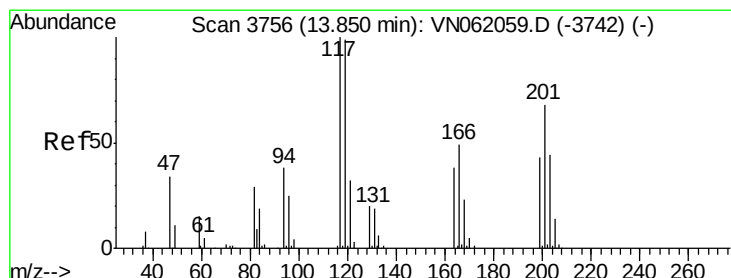
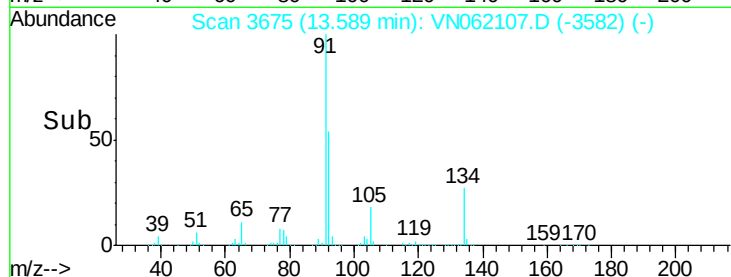
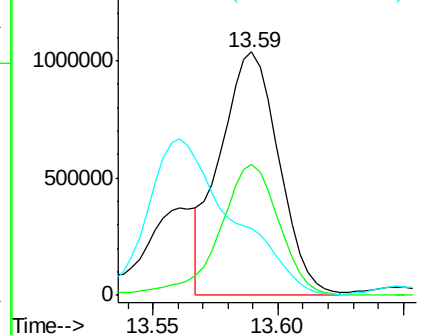
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Abundance Ion 91.00 (90.70 to 91.70): VN062107.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN062107.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN062107.D (-3582) (-)



#90

Hexachloroethane

Concen: 119.053 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN062107.D

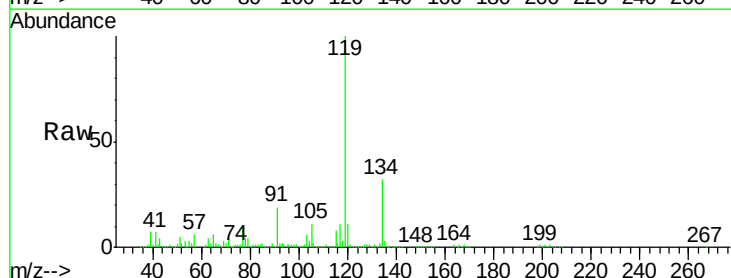
Acq: 25 Jun 2020 13:40

Tgt Ion: 117 Resp: 391113

Ion Ratio Lower Upper

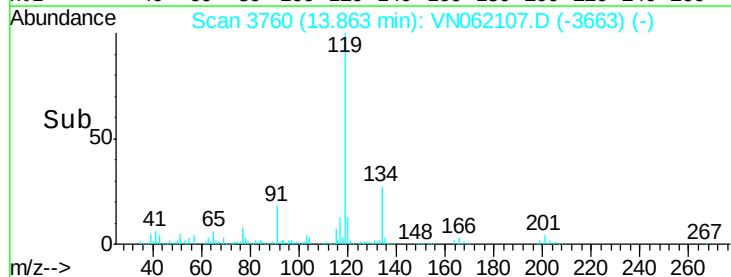
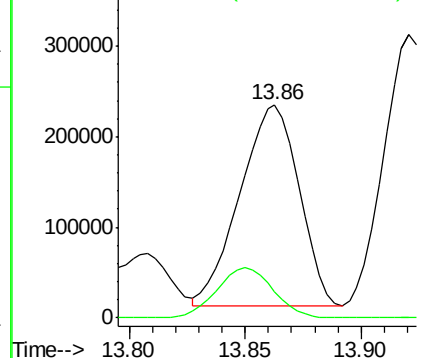
117 100

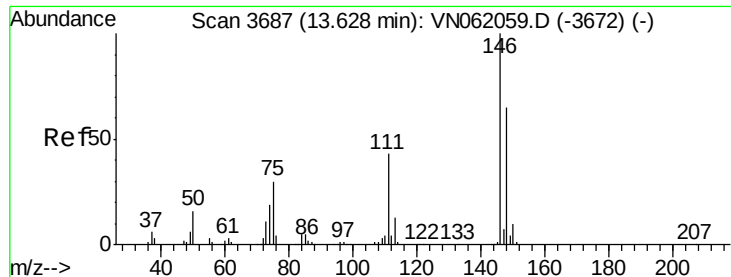
201 24.1 32.7 98.1#



Abundance Ion 116.80 (116.50 to 117.50): VN062107.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062107.D (-3663) (-)





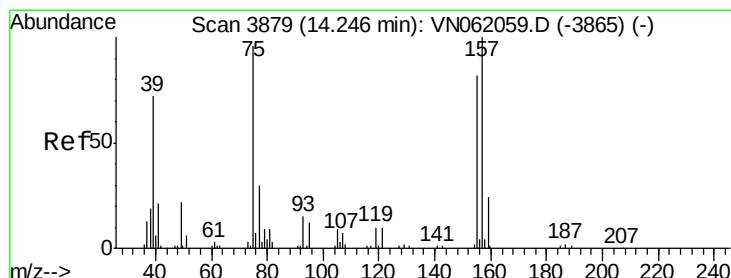
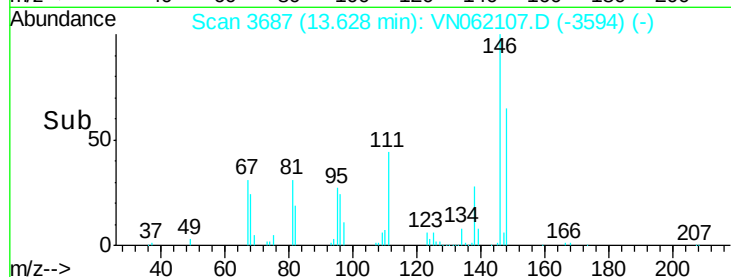
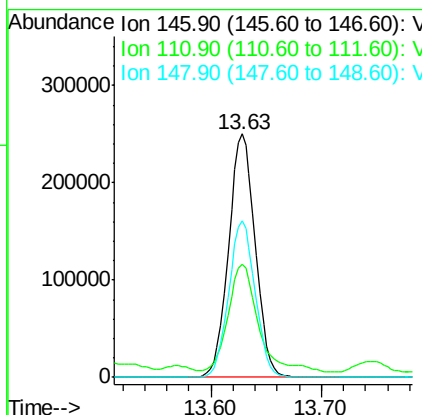
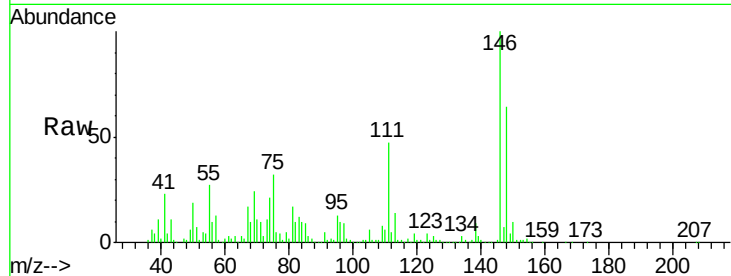
#91
 1,2-Dichlorobenzene
 Concen: 47.244 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.9	21.2	63.6
148	64.3	31.9	95.5

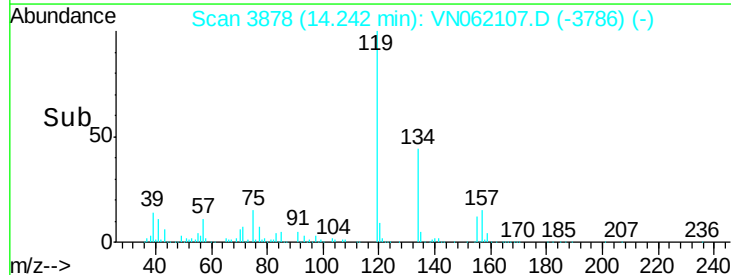
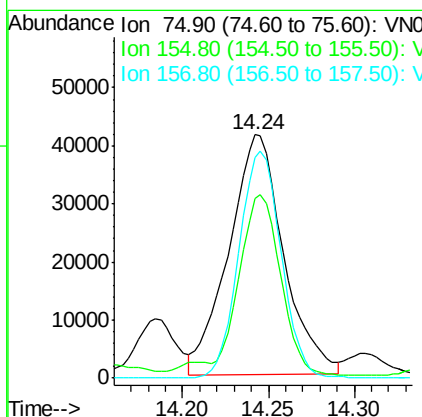
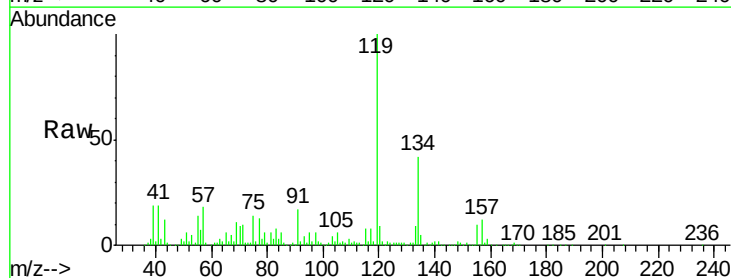
Manual Integrations
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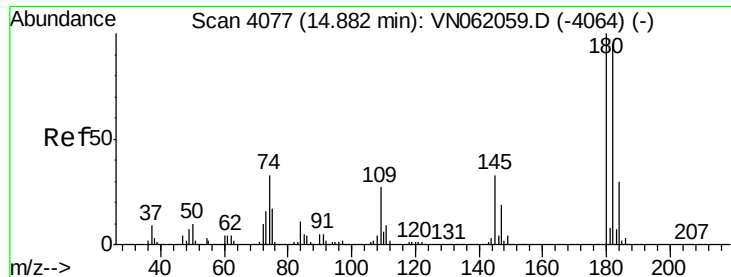
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 6/26/2020 7:01:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 82.764 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.6	40.8	122.4
157	72.5	51.4	154.3





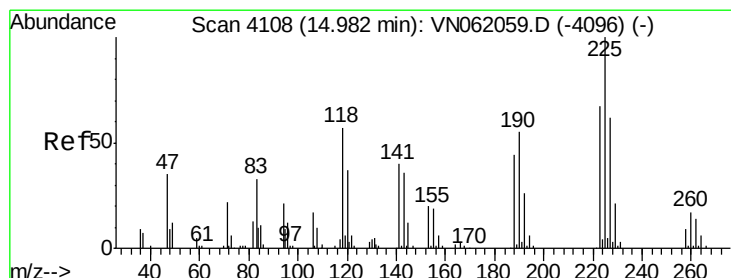
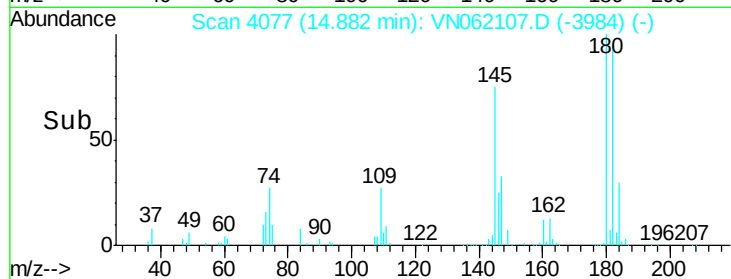
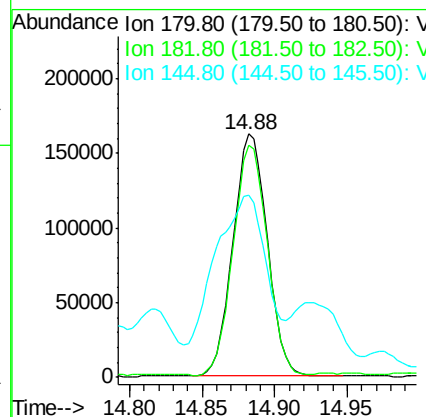
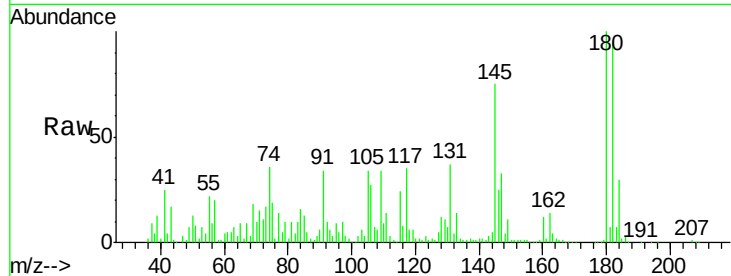
#93
 1,2,4-Trichlorobenzene
 Concen: 69.234 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266563		
182	94.7	48.0	144.2	
145	86.6	16.0	48.0#	

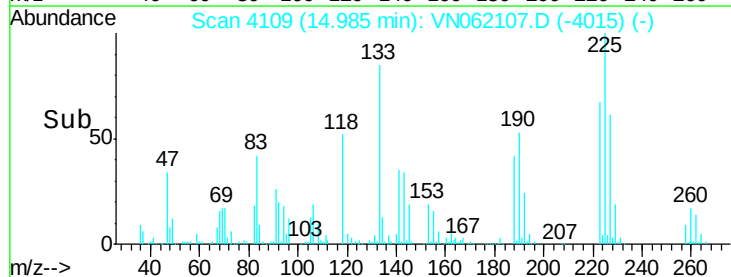
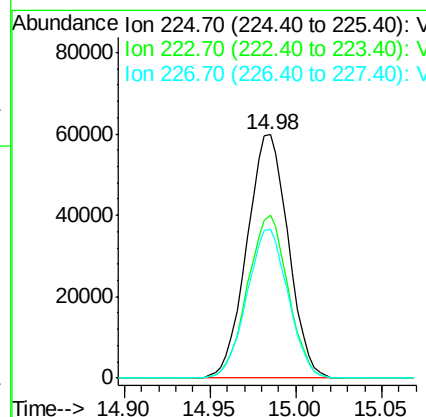
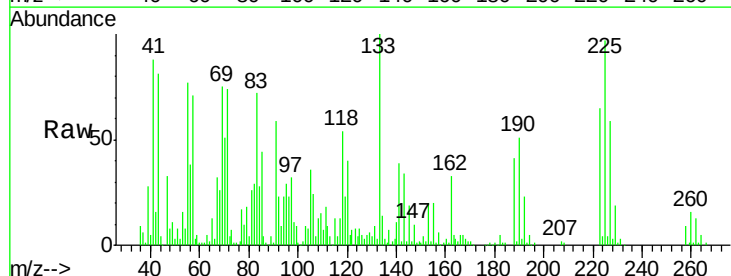
Manual Integrations
 APPROVED

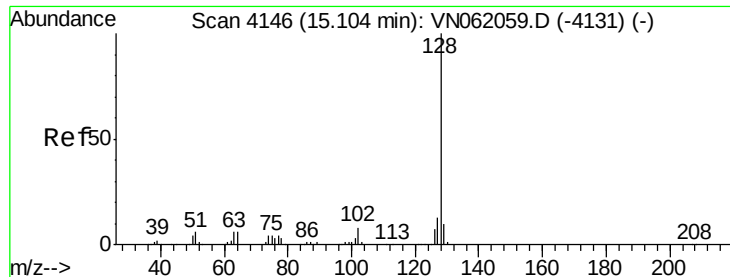
MMDadoda
 6/26/2020 7:01:07 PM



#94
 Hexachlorobutadiene
 Concen: 59.551 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062107.D
 Acq: 25 Jun 2020 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99585		
223	65.8	32.9	98.7	
227	60.9	31.3	93.8	





#95

Naphthalene

Concen: 249.140 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:128 Resp: 3420321

Ion Ratio Lower Upper

128 100

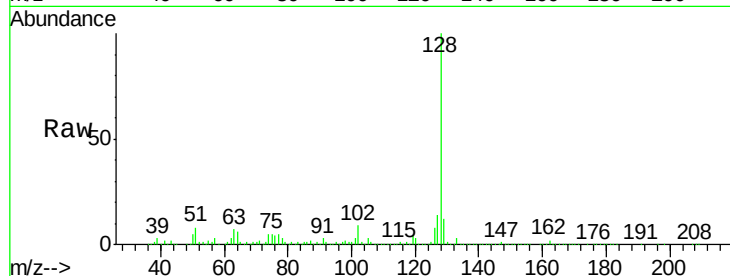
127 13.4 10.5 15.7

129 11.4 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

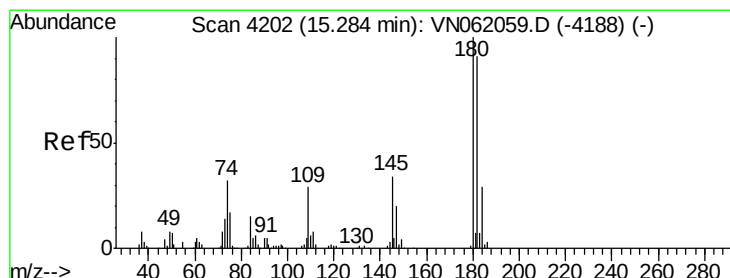
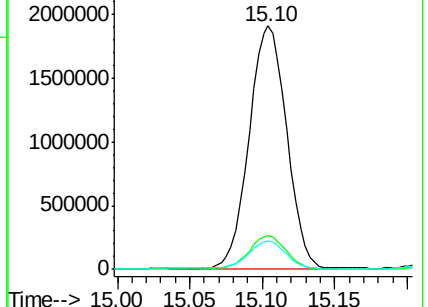
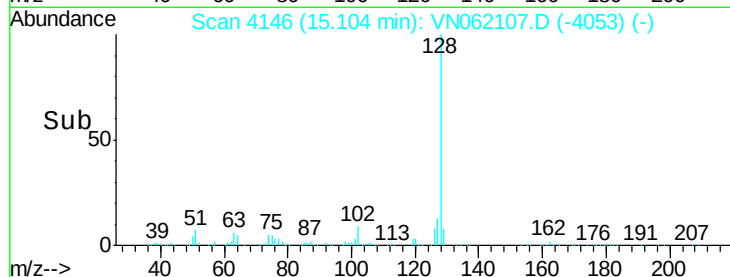
6/26/2020 7:01:07 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 67.275 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062107.D

Acq: 25 Jun 2020 13:40

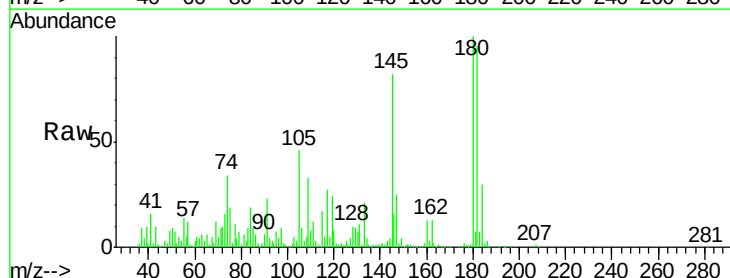
Tgt Ion:180 Resp: 264854

Ion Ratio Lower Upper

180 100

182 95.0 46.8 140.4

145 0.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

